

Search Report from Ginger R. DeMille

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File 123:CLAIMS(R)/Current Legal Status 1980-2003/Oct 21  
(c) 2003 IFI/CLAIMS

File 340:CLAIMS(R)/US Patent 1950-03/Oct 30  
(c) 2003 IFI/CLAIMS(R)

File 342:Derwent Patents Citation Indx 1978-01/200345  
(c) 2003 Thomson Derwent

File 344:Chinese Patents Abs Aug 1985-2003/Apr  
(c) 2003 European Patent Office

File 345:Inpadoc/Fam.& Legal Stat 1968-2003/UD=200342  
(c) 2003 EPO

File 347:JAPIO Oct 1976-2003/Jun(Updated 031006)  
(c) 2003 JPO & JAPIO

File 348:EUROPEAN PATENTS 1978-2003/Oct W03  
(c) 2003 European Patent Office

File 349:PCT FULLTEXT 1979-2002/UB=20031023,UT=20031016  
(c) 2003 WIPO/Univentio

File 351:Derwent WPI 1963-2003/UD,UM &UP=200369  
(c) 2003 Thomson Derwent

File 353:Ei EnCompassPat(TM) 1964-200344  
(c) 2003 Elsevier Eng. Info. Inc.

File 371:French Patents 1961-2002/BOPI 200209  
(c) 2002 INPI. All rts. reserv.

File 447:IMS Patent Focus 2003/Oct  
(c) 2003 IMS Health & Affiliates

File 652:US Patents Fulltext 1971-1975  
(c) format only 2002 The Dialog Corp.

File 654:US Pat.Full. 1976-2003/Oct 28  
(c) Format only 2003 The Dialog Corp.

File 670:LitAlert 1973-2002/UD=200342  
(c) 2003 Thomson Derwent

? ds

Set	Items	Description
S1	148	AU=DEDRICK?
S2	4	S1 AND CUSTOMER?
S3	44	S1 AND IC=G06F
S4	93	AU=DEDRICK R?
S5	42	S4 AND IC=G06F
S6	18	S5 AND CONTENT
S7	18	IDPAT (sorted in duplicate/non-duplicate order)
?		

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S4 93 AU=DEDRICK R?  
S5 42 S4 AND IC=G06F  
S6 18 S5 AND CONTENT  
S7 18 IDPAT (sorted in duplicate/non-duplicate order)  
? t7/3,k/all

**7/3,K/1 (Item 1 from file: 351)**

DIALOG(R)File 351:Derwent WPI  
(c) 2003 Thomson Derwent. All rts. reserv.

012964704 \*\*Image available\*\*  
WPI Acc No: 2000-136555/200012  
Related WPI Acc No: 1998-362218  
XRPX Acc No: N00-102128

**Server for distribution of electronic information to client computers in computer network**

Patent Assignee: INTEL CORP (ITLC )

Inventor: **DEDRICK R**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 6016509	A	20000118	US 94243845	A	19940516	200012 B
			US 96597466	A	19960202	
			US 984832	A	19980109	

Priority Applications (No Type Date): US 94243845 A 19940516; US 96597466 A 19960202; US 984832 A 19980109

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 6016509	A	16	G06F-013/00	Cont of application US 94243845 Cont of application US 96597466 Cont of patent US 5768521

Inventor: **DEDRICK R**

Abstract (Basic):

... Metering servers (14) within a LAN (16) receive unit of information having **content** data and **content** title from an external device, and transfer the **content** title and **content** data to client computers (12) operated by end users in response to the requests of **content** data.

International Patent Class (Main): **G06F-013/00**

International Patent Class (Additional): **G06F-153/00**

**7/3,K/2 (Item 2 from file: 351)**

DIALOG(R)File 351:Derwent WPI  
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011945308 \*\*Image available\*\*  
WPI Acc No: 1998-362218/199831  
Related WPI Acc No: 2000-136555  
XRPX Acc No: N98-282870

**Electronic information distribution system - includes end user clients receiving transmitted data and title on request via metering server**

Patent Assignee: INTEL CORP (ITLC )

Inventor: **DEDRICK R**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5768521	A	19980616	US 94243845	A	19940516	199831 B

Search Report from Ginger R. DeMille

US 96597466 A 19960202

Priority Applications (No Type Date): US 94243845 A 19940516; US 96597466 A 19960202

Patent Details:

Patent No Kind Lan Pg Main IPC Filing Notes  
US 5768521 A 16 G06F-013/00 Cont of application US 94243845

Inventor: **DEDRICK R**

...Abstract (Basic): distribution system includes an external device that transmits a unit of information which has a **content** data and a **content** title. A number of client computers which receive the **content** title, the client computers each being operated by an end user which can request access to the **content** data...

...metering server that receives the unit of information transmitted by the external device, transfers the **content** title to the number of client computers of end users, and transfers the **content** data to a client computer of an end user that requests the **content** data...

International Patent Class (Main): **G06F-013/00**

International Patent Class (Additional): **G06F-153/00**

**7/3,K/3 (Item 3 from file: 340)**

DIALOG(R) File 340:CLAIMS(R)/US Patent

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3270615 4057480

**E/GENERAL PURPOSE METERING MECHANISM FOR DISTRIBUTION OF ELECTRONIC INFORMATION**

Inventors: **Dedrick Rick** (US

Assignee: Intel Corp

Assignee Code: 42458

	Kind	Publication Number	Date	Application Number	Date
	A	US 6016509	20000118	US 984832	19980109
		(Cited in 002 later patents)			
Continuation of:		ABANDONED		US 94243845	19940516
		US 5768521		US 96597466	19960202
Priority Applic:				US 984832	19980109
				US 94243845	19940516
				US 96597466	19960202

Calculated Expiration: 20140516

Inventors: **Dedrick Rick** ...

Exemplary Claim: ...that is coupled to an external device that contains a unit of information having a **content** data and a **content** title, and to one or more client computers each being operated by an end user and each to receive the **content** title and can request access to the **content** data, comprising: a metering server to receive said unit of information from said external device, transfer said **content** title to said plurality of client computers of end users, and transfer said **content** data to a client computer of an end user that requests said **content** data.

Non-exemplary Claims: ...6. The server of claim 5 wherein said metering process to prevent said **content** data from being transferred to said client computer of said end user if said price...

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- ...claim 5 wherein said metering process to debit said end user's account when said **content** data is transferred to said client computer...
- ...claim 5 wherein said metering process to credit said end user's account when said **content** data is transferred to said client computer...
- ...demographic database that stores a plurality of demographic data, said metering server to transfer said **content** title to said end users with demographic data that correlates with said target demographic data...
- ...said end user account with said demographic data of said end user that requests said **content** data and transmit said demographic data...
- ...11. The server of claim 1 wherein said **content** data is an advertisement and said **content** title is an advertisement title...
- ...A method for distributing electronic information, comprising: receiving a unit of information that has a **content** data and a **content** title by a metering server; transmitting said **content** title from said metering server to a plurality of client computers, each being operated by an end user; receiving a request for said **content** data from a client computer of an end user; and transmitting said **content** data to said client computer of said end user responsive to receiving said request...
- ...15. The method of claim 12 wherein receiving a unit of information that has a **content** data and a **content** title by a metering server comprises receiving a unit of information that has a **content** data, a **content** title, and a price by a metering server, and the method further comprising preventing said **content** data from being transmitted to said client computer of said end user if said price...
- ...16. The method of claim 12 wherein receiving a unit of information that has a **content** data and a **content** title by a metering server comprises receiving a unit of information that has a **content** data, a **content** title, and a target user profile data, and wherein transmitting said **content** title from said metering server to said plurality of client computers comprises transmitting said **content** title from said metering server to said plurality of client computers having user profile data...

IPC: G06F-013/00

IPC Cross Ref: G06F-153/00

7/3,K/4 (Item 4 from file: 340)

DIALOG(R)File 340:CLAIMS(R)/US Patent

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2997167 3852498

**E/GENERAL PURPOSE METERING MECHANISM FOR DISTRIBUTION OF ELECTRONIC INFORMATION; Computer network system using metering servers and client computers; efficient electronic information distribution, bill generation and account balancing**

Inventors: Dedrick Rick (US

Assignee: Intel Corp

Assignee Code: 42458

Kind	Publication		Application	
	Number	Date	Number	Date
A	US 5768521	19980616	US 96597466	19960202

22931-Oct-0309:35 AM

Search Report from Ginger R. DeMille

Continuation of:	ABANDONED	US 94243845	19940516
Priority Applic:		US 96597466	19960202
		US 94243845	19940516

Calculated Expiration: 20140516

Inventors: **Dedrick Rick** ...

Exemplary Claim: ...electronic information, comprising: an external device that transmits a unit of information which has a **content** data and a **content** title; a plurality of client computers which receive said **content** title, said client computers each being operated by an end user which can request access to said **content** data; and a metering server that receives said unit of information transmitted by said external device, transfers said **content** title to said plurality of client computers of end users, and transfers said **content** data to a client computer of an end user that requests said **content** data.

Non-exemplary Claims: ...end user's account, said metering server further having a metering process that prevents said **content** data from being transferred to said client computers if said price exceeds said balance ...

...in claim 5, wherein said metering process debits said end user's account when said **content** data is transferred to said client computer...

...in claim 5, wherein said metering process credits said end user's account when said **content** data is transferred to said client computer ...

...10. The system as recited in claim 1, wherein said metering server further includes a **content** database that contains one or more units of information...

...a publisher/advertiser unit that generates and transmits a unit of information which has a **content** data and a **content** title; a plurality of client computers which receive said **content** title, said client computers each being operated by an end user which can request access to said **content** data; a metering server that receives said unit of information, transfers said **content** title to said plurality of client computers of said end users, and transfers said **content** data to said client computer of said end user that requests said **content** data; and a clearinghouse server which transfers said unit of information to said metering server...

...end user's account, said metering server further having a metering process that prevents said **content** data from being transferred to said client computers if said price exceeds said balance...17. The system as recited in claim 11, wherein said metering server includes a **content** database that contains one or more units of information...

...in claim 12, wherein said metering process debits said end user's account when said **content** data is transferred to said client computer ...

...in claim 11, wherein said metering process credits said end user's account when said **content** data is transferred to said client computer ...

...electronic information, comprising: external device means for transmitting a unit of information which has a **content** data and a **content** title; a plurality of client computers which receive said

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- content** title, said client computers each being operated by an end user which can request access to said **content** data; and metering means for receiving said unit of information, transferring said **content** title to said plurality of client computers of said end users, and transferring said **content** data to said client computer of said end user that requests said **content** data...end user's account, said metering means further having a metering process that prevents said **content** data from being transferred to said client computers if said price exceeds said balance...
- ...in claim 26, wherein said metering process debits said end user's account when said **content** data is transferred to said client computer  
...
- ...in claim 26, wherein said metering process credits said end user's account when said **content** data is transferred to said client computer  
...
- ...31. The system as recited in claim 22, wherein said metering means includes a **content** database that contains one or more units of information...
- ...comprising: publisher/advertiser means for generating and transmitting a unit of information which has a **content** data and a **content** title; a plurality of client computers which receive said **content** title, said client computers each being operated by an end user which can request access to said **content** data; metering means for receiving said unit of information, transferring said **content** title to said plurality of client computers of said end users, and transferring said **content** data to said client computer of said end user that requests said **content** data; and clearinghouse means for transferring said unit of information from said publisher/advertiser means...
- ...end user's account, said metering means further having a metering process that prevents said **content** data from being transferred to said client computers if said price exceeds said balance...38. The system as recited in claim 32, wherein said metering means includes a **content** database that contains one or more units of information...
- ...in claim 33, wherein said metering process debits said end user's account when said **content** data is transferred to said client computer  
...
- ...in claim 33, wherein said metering process credits said end user's account when said **content** data is transferred to said client computer  
...
- ...electronic information, comprising the steps of: a) generating a unit of information that has a **content** data and a **content** title; b) transmitting said unit of information from a publisher/advertiser to a metering server; c) transmitting said **content** title to a plurality of client computers, each being operated by an end user; d) requesting said **content** data by an end user; and, e) transmitting said **content** data to said client computer of said end user that requested said **content** data...
- ...subtracting said price from a balance of an end user's account, and preventing said **content** data from being transferred to said client computer if said balance minus said price is...
- ...of compiling demographic data of end users that operate said client

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computer...

- ...in claim 33, wherein said metering process credits said end user's account when said **content** data is transferred to said client computer...a) generating a unit of information that has a **content** data and a **content** title...
- ...c) transmitting said **content** title to a plurality of client computers, each being operated by an end user...
- ...d) requesting said **content** data by an end user; and...
- ...e) transmitting said **content** data to said client computer of said end user that requested said **content** data...
- ...subtracting said price from a balance of an end user's account, and preventing said **content** data from being transferred to said client computer if said balance minus said price is...
- ...of compiling demographic data of end users that operate said client computers and request said **content** data...

7/3,K/7 (Item 7 from file: 351)

DIALOG(R)File 351:Derwent WPI  
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011880488 \*\*Image available\*\*  
WPI Acc No: 1998-297398/199826  
XRPX Acc No: N98-232741

**Consumer driven electronic information pricing apparatus - has pricing interface which is coupled with modulator and provides end user with multiple pricing options and electronic advertisement ratios and also accepts selected pick-up option from end user**

Patent Assignee: INTEL CORP (ITLC )

Inventor: **DEDRICK R**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5752238	A	19980512	US 94333961	A	19941103	199826 B

Priority Applications (No Type Date): US 94333961 A 19941103

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5752238	A	19	G06F-017/60	

Inventor: **DEDRICK R**

...Abstract (Basic): to control amount of electronic advertising that is received. Provides advertising based subsidisation of electronic **content** consumption...

International Patent Class (Main): **G06F-017/60**

7/3,K/8 (Item 8 from file: 340)

DIALOG(R)File 340:CLAIMS(R)/US Patent  
(c) 2003 IFI/CLAIMS(R). All rts. reserv.

2979790 3840307

**E/CONSUMER-DRIVEN ELECTRONIC INFORMATION PRICING MECHANISM**

Inventors: **Dedrick Rick** (US

Assignee: Intel Corp

Search Report from Ginger R. DeMille

Assignee Code: 42458

	Kind	Publication Number	Date	Application Number	Date
Priority Applic:	A	US 5752238	19980512	US 94333961	19941103
				US 94333961	19941103

Calculated Expiration: 20150512

**CONSUMER-DRIVEN ELECTRONIC INFORMATION PRICING MECHANISM**

Inventors: **Dedrick Rick** ...

Abstract: ...is contained within a client system. The pricing modulator contains multiple pricing options for electronic **content** and multiple **content** to advertisement ratios associated with the pricing options. The pricing interface is coupled to the pricing modulator and provides an end user with the pricing options and associated **content** to advertisement ratios, and also accepts pricing option selections from the end user. In one...

Exemplary Claim: ...a) presenting an end user with a plurality of pricing options and a plurality of **content** to electronic advertisement ratios associated with the plurality of pricing options; (b) providing the electronic **content** and one or more electronic advertisements to the end user in accordance with a first...

...a new pricing option of the plurality of pricing options; and (d) providing the electronic **content** and one or more electronic advertisements to the end user in accordance with the new...

Non-exemplary Claims: 1. An apparatus to determine a cost for electronic **content** to an end user, the apparatus comprising: a pricing modulator containing a plurality of pricing options and a plurality of **content** to electronic advertisement ratios associated with the plurality of pricing options; and a pricing interface...

...which provides the end user with the plurality of pricing options and the plurality of **content** to electronic advertisement ratios, and which accepts a selected pricing option from the end user...

...wherein the pricing interface graphically represents the plurality of pricing options and the plurality of **content** to electronic advertisement ratios to the end user...

...interface allows the end user to select a new pricing option while receiving the electronic **content** .  
...

...5 wherein the display is to display a plurality of electronic advertisements and the electronic **content** to the end user...

...The apparatus of claim 5 wherein the input device is to interact with the electronic **content** and advertising...

...5 wherein the client interface simultaneously displays a plurality of electronic advertisements and the electronic **content** .  
...

...claim 5, wherein the client interface displays a plurality of electronic advertisements and the electronic **content** in a first **content** to



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electronic advertisement ratio associated with the selected pricing option...

- ...distribution system comprising: a metering server which provides a plurality of pricing options for electronic **content**, wherein each of the pricing options has an associated **content** to electronic advertisement ratio; and a client system coupled to the metering server which receives...
- ...client system includes a pricing modulator containing the plurality of pricing options and the associated **content** to electronic advertisement ratios, and a pricing interface coupled to the pricing modulator which provides an end user with the plurality of pricing options and the associated **content** to electronic advertisement ratios, and which accepts a selected pricing option from the end user...
- ...16. The system of claim 13, further comprising an electronic **content** server coupled to the metering server, wherein the electronic **content** server contains a plurality of electronic **content** units...
- ...comprises providing the end user with the option while the user is receiving the electronic **content**.
- ...
- ...wherein the presenting step (a) comprises graphically representing the pricing options and the plurality of **content** to advertisement ratios to the end user.

IPC: **G06F-017/60**

**7/3,K/9** (Item 9 from file: 654)

DIALOG(R) File 654:US Pat.Full.

(c) Format only 2003 The Dialog Corp. All rts. reserv.

3980865 \*\*IMAGE Available

Derwent Accession: 1998-297398

**Utility**

E/ **Consumer-driven electronic information pricing mechanism**

Inventor: **Dedrick, Rick**, Hillsboro, OR

Assignee: Intel Corporation (02), Santa Clara, CA

Intel Corp (Code: 42458)

Examiner: Hayes, Gail O. (Art Unit: 271)

Assistant Examiner: Hughet, William N.

Law Firm: Blakely, Sokoloff, Taylor & Zafman

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 5752238	A	19980512	US 94333961	19941103

Fulltext Word Count: 11122

Inventor: **Dedrick, Rick** ...

): **G06F-017/60**

**Abstract:**

...is contained within a client system. The pricing modulator contains multiple pricing options for electronic **content** and multiple **content** to advertisement ratios associated with the pricing options. The pricing

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...16. The system of claim 13, further comprising an electronic **content** server coupled to the metering server, wherein the electronic **content** server contains a plurality of electronic **content** units...

...comprises providing the end user with the option while the user is receiving the electronic **content** .

...

...wherein the presenting step (a) comprises graphically representing the pricing options and the plurality of **content** to advertisement ratios to the end user.

7/3,K/10 (Item 10 from file: 351)

DIALOG(R)File 351:Derwent WPI

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011728237 \*\*Image available\*\*

WPI Acc No: 1998-145147/199813

XRPX Acc No: N98-114890

**Information customisation for users in information distribution network - includes client activity monitor which monitors actions taken by user and automatically updates user profile data based on these actions**

Patent Assignee: INTEL CORP (ITLC )

Inventor: **DEDRICK R**

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 5717923	A	19980210	US 94333963	A	19941103	199813 B

Priority Applications (No Type Date): US 94333963 A 19941103

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 5717923	A	19	G06F-017/30	

Inventor: **DEDRICK R**

...Abstract (Basic): A **content** adapter is coupled to the personal profile database, to customise the unit of electronic information...

International Patent Class (Main): **G06F-017/30**

7/3,K/11 (Item 11 from file: 340)

DIALOG(R)File 340:CLAIMS(R)/US Patent

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2941578 3811739

**E/METHOD AND APPARATUS FOR DYNAMICALLY CUSTOMIZING ELECTRONIC INFORMATION TO INDIVIDUAL END USERS; Client system maintains personal profile database, content adapter, and client activity monitor; content adapter automatically modifies electronic information received from network based on stored preferences; activity monitor updates personal profile**

Inventors: **Dedrick Rick** (US)

Assignee: Intel Corp

Assignee Code: 42458

Kind	Publication Number	Date	Application Number	Date
-----	-----	-----	-----	-----

Search Report from Ginger R. DeMille

Priority Applic: A US 5717923 19980210 US 94333963 19941103  
US 94333963 19941103

Calculated Expiration: 20150210

...FOR DYNAMICALLY CUSTOMIZING ELECTRONIC INFORMATION TO INDIVIDUAL END  
USERS^Client system maintains personal profile database, content adapter,  
and client activity monitor; content adapter automatically modifies  
electronic information received from network based on stored preferences;  
activity monitor updates...

Inventors: Dedrick Rick ...

Abstract: ...to individual end user(s) of the client system. The client  
system also includes a **content** adapter which compares electronic  
information received by the client system to the consumer information in...

Exemplary Claim: ...individual user, wherein the user profile data  
indicates the preference of the individual user; a **content** adapter,  
coupled to the personal profile database, to customize the unit of  
electronic information to...

Non-exemplary Claims: ...4. The apparatus of claim 1, wherein the **content**  
adapter is operative to customize the unit of electronic information by  
comparing header information included...

...5. The apparatus of claim 1, wherein the **content** adapter is operative  
to change a default color received with the unit of electronic  
information...

...wherein the unit of electronic information is received in a plurality of  
formats and the **content** adapter is operative to automatically select a  
consumption format based on the user profile data...

...7. The apparatus of claim 1, further comprising an interface, coupled to  
the **content** adapter, to allow the individual user to consume the unit  
of electronic information...

...consumer, wherein the user profile data indicates the preference of the  
individual consumer, and a **content** adapter coupled to the personal  
profile database, to customize the received electronic information unit  
to ...system of claim 13, wherein the client system further comprises  
an interface, coupled to the **content** adapter, to allow the individual  
consumer to consume the electronic information...

...21. The system of claim 20, wherein the **content** adapter customizes the  
electronic information unit by comparing the header information to the  
user profile...

...22. The system of claim 13, wherein the **content** adapter modifies a  
default color received with the electronic information unit to a  
preferred color...

...13, wherein the electronic information unit is received in a plurality  
of formats and the **content** adapter is operative to select a  
consumption format based on the user profile data included...

IPC: G06F-017/30

7/3,K/12 (Item 12 from file: 654)

DIALOG(R) File 654:US Pat.Full.

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File 340:CLAIMS(R)/US Patent 1950-03/Oct 30

(c) 2003 IFI/CLAIMS(R)

File 349:PCT FULLTEXT 1979-2002/UB=20031023,UT=20031016

(c) 2003 WIPO/Univentio

File 654:US Pat.Full. 1976-2003/Oct 28

(c) Format only 2003 The Dialog Corp.

File 759:Reuters Business Insight 1992-2003/Oct

(c) 2003 Datamonitor

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Set Items Description

S1 53 (DOWNLOAD? OR DOWN()LOAD?)(S)(TRANSMIT?)(3N)(PASSWORD OR P-  
ASS()WORD)(S)(THIRD()PARTY OR PARTIES))

? t1/3,k/all

1/3,K/1 (Item 1 from file: 340)

DIALOG(R)File 340:CLAIMS(R)/US Patent

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10037289 2001-0037306

**E/CUSTOMER INFORMATION COLLECTION METHOD AND SYSTEM**

Inventors: Yoshii Shuzo (US)

Assignee: GAIAX CO Ltd

	Kind	Publication Number	Date	Application Number	Date
Priority	A1	US 20010037306	20011101	US 2001754625	20010104
Applic:				JP 2000126132	20000426

Abstract: A customer information collection method in which personal information of an individual who intends to **download** and use digital information is collected as customer information by a **third party** other than such an individual as a result of said **third party** acquiring the right to use the digital information, and the method comprising the steps of...

...own personal information as customer information, collecting and compiling such an inputted customer information, and **transmitting** a **password** is to the individual who has sent his/her own personal information to the **third party** so that such an individual can **download** and use the desired digital information.

1/3,K/2 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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00908952 \*\*Image available\*\*

**ANONYMOUS TRANSACTION SYSTEM**

**SYSTEME DE TRANSACTION ANONYME**

Patent Applicant/Assignee:

NEXTWORTH INC, 410 N.W. 18th Street, #102, Portland, OR 97209, US, US

(Residence), US (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

STEELE Dale Everett, 410 N.W. 18th Street, #102, Portland, OR 97209, US,

US (Residence), US (Nationality), (Designated only for: US)

SILVA Kenneth Alan, 610 N.W. 131st Street, Vancouver, WA 98685, US, US

Search Report from Ginger R. DeMille

(Residence), US (Nationality), (Designated only for: US)  
Legal Representative:  
FORD Stephen S (agent), Marger Johnson McCollom, P.C., 1030 S.W. Morrison  
Street, Portland, OR 97205, US,  
Patent and Priority Information (Country, Number, Date):  
Patent: WO 200242982 A2 20020530 (WO 0242982)  
Application: WO 2001US44318 20011127 (PCT/WO US0144318)  
Priority Application: US 2000253371 20001127  
Designated States: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU  
CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP  
KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO  
RU SD SE SG SI SK SL TJ TM TR TT TZ UA UG US UZ VN YU ZA ZM ZW  
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR  
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
(EA) AM AZ BY KG KZ MD RU TJ TM  
Publication Language: English  
Filing Language: English  
Fulltext Word Count: 15770

Fulltext Availability:  
Claims

Claim

- ... selected supplier 1036 and requests an application to apply for the product. Consumers 1 000 **download0** any offer content 1042 necessary for completing the transaction directly with the supplier 1036.  
The...complete services configuration. In the complete services configuration the creation of requests for offer 1006, **third party** information 10 1 6 and ATPs 1024 are performed by an intermediary. In one example...
- ...indexing services 1040 and assembles the ATPs 1024 from the request for offer 1006 and **third party** information 10 1 6. Fig. 12 shows a self-service distributor configuration where the distributor 1004 receives request for offers 1006 from consumers I 000, generates **third party** reports 10 1 6, and generates the ATPs 1024. An intermediary 1029 provides the registry...
- ...retailer, advertiser and marketing company may make or the process by which a company or **third - party** 'May obtain a consumer's anonymous transaction, advertising, or dating profile.  
The registry service 1040 may determine the process by which a supplier, distributor, retailers, advertiser, marketing company or **third - party** obtain a consumer's personal information record. That process may require any combination of a...
- ...records to facilitate transactions where consumers want to provide their anonymous or personal information to **third parties** without the requirement of acting 1 5 through a distributor.  
The registry service 1040 stores...to consumers 1 000. Advertisements maybe supplied directly to consumers or may be provided by **third - party** suppliers directly to consumers. **Third - party** suppliers, distributors, retailers, advertisers or marketing companies may be permitted to provide product advertisements directly...
- ...notified by email.  
Personal information and anonymous information is used to request the consumer's **third - party** information 1016. The **third - party** information 1016 can be the same information that is described above for financial services. For example, the **third - party** information can

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Main Patent	US 6636242	A	20031021	US 99387580	19990831
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Fulltext Word Count: 143895

1/3,K/8 (Item 5 from file: 654)

DIALOG(R)File 654:US Pat.Full.

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5349054 \*\*IMAGE Available

Utility

**Integrated customer interface for web based data management**

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Assignee: Worldcom, Inc. (02), Clinton, MS

Examiner: Jaroenchonwanit, Bunjob (Art Unit: 211)

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6615258	A	20030902	US 98159505	19980924

Fulltext Word Count: 39961

Description of the Invention:

...customer workstation 10 and provides customer access to the enterprise system, having one or more **downloadable** application objects directed to front-end business logic, one or more backplane service objects for...step 63, a Hypertext Markup Language (HTML) file invoking and an associated logon applet is **downloaded** with software tools and common objects in steps 64, 66, to present a Web page...

...is determined that the software files including classes for initiating a session, have been already **downloaded**, for example, from a previous session, the steps 62, 64, 66 are skipped...properly authenticated by the server in step 76, another Web page having backplane object is **downloaded** in steps 78, 80, 84. This page is referred to as a home page. At the same time, all the application software objects are **downloaded** in step 82. If the system of the present invention determines that the backplane and application files have been already **downloaded**, the steps 80, 82, 84 are not performed. The backplane object is then instantiated in...password every 30 days for security reasons. Whenever the user changes the password, the new **password** is **transmitted** in real time to a server responsible for updating and keeping the password entry for page 79 is **downloaded** after the authentication via a logon page and provides, for example, a suite 95 of...data are stored, maintained, and eventually deleted and is the source of data that is **downloaded** to the client user via the dispatcher (FIG. 2) over a secure socket connection 272By associating each set of report data which is **downloaded** via the Inbox server 270 with a "metadata" report description object, reports can be presented...the FTP file location. Via the report viewer, the report is now available for viewing, **downloading**, saving, or printing by the user, as indicated at step 395, and as described in...report the user

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selects the report and, the report metadata and the appropriate viewer are **downloaded** to the user (client) workstation...and report viewer and requestor components implementing Java applets having viewer classes that enable the **downloading** and display of reports generated from ClientView server processes 1350...determination (by OE server), and upon selection of the online invoice (ClientView) application from the **downloaded** home page to the user (FIG. 5), a ClientView applet is invoked at step 1362... current document; Batch Print a document; Search the document for word(s); display the first **downloaded** page; display the previous page; display the next page; display the last **downloaded** page; Go to a specified page; increase the font size of the displayed document; reset ...that it has not been modified, and has not been intercepted and understood by a **third party** . Normal encryption protects against understanding the message, even if intercepted, and certain types of cipher...Another communications issue involving the secure communications link, is the trust associated with allowing the **download** of the Java common objects used in the present invention, as discussed earlier with respect...

...server to the user, and to verify the source of the Java object to be **downloaded** as a trusted source as will hereinafter be described in greater detail

**1/3,K/9 (Item 6 from file: 654)**

DIALOG(R)File 654:US Pat.Full.

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5349049 \*\*IMAGE Available

**Utility**

**Efficient server side data retrieval for execution of client side applications**

Inventor: Bowman-Amuah, Michel K., Colorado Springs, CO

Assignee: Accenture LLP (02), Palo Alto, CA

Examiner: Lim, Krisna (Art Unit: 213)

Law Firm: Oppenheimer Wolff & Donnelly LLP

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 6615253	A	20030902	US 99387430	19990831

Fulltext Word Count: 143407

**1/3,K/10 (Item 7 from file: 654)**

DIALOG(R)File 654:US Pat.Full.

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5349047 \*\*IMAGE Available

**Utility**

**Method for providing node targeted content in an addressable network**

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Assignee: Unassigned

Examiner: Wiley, David (Art Unit: 213)

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	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6615251	A	20030902	US 99451390	19991130
Continuation	US 5790785	A		US 96595837	19960202
CIP	Pending			US 98128915	19980804
CIP	US 5996007	A		US 97876765	19970616

Fulltext Word Count: 17782

Description of the Invention:

- ...the website's architecture. As will be appreciated, the desired website page may be completely **downloaded** prior to display or portions of the desired page may be preliminarily displayed while loading...
- ...The messages as well as the logic or program for operating the messages may be **downloaded** via the Internet or provided on a storage medium to the user. In the case of **downloading**, the messages and logic may be provided by a browser, search engine or other service provider on its website. The preferred implementation of the present invention involves **downloading** a collection or set of messages to the user node and selecting particular messages from...
- ...loading of the website. As shown in FIG. 2, the preferred time period (51) for **downloading** the message set occurs prior to website selection (44). In this manner, user node resources...
- ...fully available for use in loading the selected website information. The message set may be **downloaded** during the Internet session or may be stored during one Internet session for use in...
- ...information. Alternatively, the message set may be loaded onto the user site other than by **downloading** from the Internet, e.g., from a disk or other storage unit. Alternatively, especially in...loading that is complete and the size of the file or other data unit being **downloaded** ). It will therefore be appreciated that the time period utilized to display messages according to...node, the operation of the browser, and the size and number of files that are **downloaded** before display can begin. Ideally, as many of these factors as possible should be taken...
- ...and the selected website convey information regarding the quantity of information that is to be **downloaded**. Such data is commonly used to provide displays during loading such as "15% of 7K...Web client nodes such as WWW client node 108, and with other websites such as **third party** website 116, wherein the registrar website 100 facilitates the registration of a user at a WWW client node 108 when this user desires to register at the **third party** website 116. In this first embodiment, the user accesses the World Wide Web 104 through...
- ...registration facilities of the registrar website 100 for registering the user at one or more **third party** websites 116, the user must in some manner request explicit access to the registrar website...be described as follows. In order for a user to register at one or more **third party** websites 116, the user at a WWW client node 108 accesses the World Wide Web...
- ...related to capabilities of the registrar website 100 in assisting the user in registering at **third party** websites 116. Such outputs from registrar applications 128, are subsequently transmitted, via the network server...



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- ...he/she can have this information at the registrar website 100 automatically transferred to a **third party** website 116 when the user is requested to register at such a **third party** website. Subsequently, after the user's request to supply registration information is transmitted to the...the user may then substantially automatically register at, or otherwise transfer user information to, various **third party** websites 116 that are affiliated with the registrar website 100 in that an agreement has been reached between each such **third party** website 116 and the registrar website 120 for transmitting a user's registration information or some portion thereof to the **third party** website 116 when, for example, the user requests such transmittal. Thus, assuming the user accesses the **third party** website 116 and, for example, the home page for the **third party** website 116 includes a form field allowing the user to specify that the user's...
- ...then the user can submit a response, via the World Wide Web 104, to the **third party** website 116 indicating that the user's registration information should be obtained from the registrar...profile may be developed that is useful for targeting messages to the user. Thus, the **third party** website 116 requests and receives the user's registration information from the registrar website 100...
- ...stores the user's registration information in registration information database 148 directly accessible by the **third party** website 116. Additionally note that when the registrar website 100 receives a request from the **third party** website 116 for user registration information, a registrar application 128 records the request for the...
- ...access log data base 152. Thus, the registrar website 100 maintains a log of the **third party** websites requesting registration information. Further, such **third party** websites 116 may periodically provide the registrar website 100 with information related to the frequency that users registered at the registrar website 100 have accessed the **third party** websites 116. Therefore, by also storing this information, for example, in the registrar access log...
- ...the registrar website 100 is able to determine the frequency and type of access of **third party** websites 116 by users...
- ...to the registrar website 100 for providing registration information, the user may instead access a **third party** website 116 wherein the home page or registration page for the **third party** website includes input fields allowing the user to request that the registrar website 100 automatically...
- ...use the registration information provided to the registrar website 100 for automatically registering at the **third party** website 116 (as well as other **third party** websites that may be subsequently requested). That is, the newly entered registration information is transferred to the **third party** website 116 by entering into a registrar specific portion of the registration form for the **third party** website 116 a registrar user identification and optionally a password for requesting that the **third party** website access the registrar website 100 to obtain the user's registration information. Thus, the user's registration information automatically is communicated to the **third party** website 116 without the user explicitly having to navigate the World Wide Web 104 and...
- ...100 to register his/her website registration information. In the context of targeted messages, a **third party** site or network operator

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- associated with selecting messages may access the registrar website 100 to select messages for **downloading** or otherwise transmitting for substantially real-time presentation at the user node as well as with **third party** websites 116 that accept registration information. In one embodiment of such a distributed architecture registration...
- ...s website registration information and communicating with the registrar website 100 as well as cooperating **third party** websites 116 at which the user desires to register. Such a registration module 156 may...
- ...120, the user is presented with an integrated set of functions for registering and accessing **third party** websites 116...
- ...there are failures at the user's WWW client node 108. Thus, to access a **third party** website 116 that cooperates with the registrar for registering the user, once the user has made contact through the World Wide Web 104 with such a **third party** website 116, the user transfers his/her registration information from the registration module 156 to the **third party** website. Further note that in the registration process of the present embodiment, whenever the user registers at a **third party** website 116, the registrar website 100 is provided, by (for example) the module 156, with...
- ...so that the user also has a off-site backup copy of all registrations at **third party** websites residing at the registrar website 100...with a home page describing the registrar services, a selection or browsing capability for reviewing **third party** websites 116 accepting registrar registrations, and a fill-out form so that the user may...has supplied insufficient information for the registrar website 100 to supply adequate information to most **third party** websites 116 that utilize registrar registration capabilities. Thus, a similar feedback loop to loop 224...
- ...provided for requesting that the user supply additional information so that a substantial number of **third party** websites 116 cooperative with registrar will allow the user to register at them using only...user determines whether to supply basic information (i.e., requested by a substantial number of **third party** websites 116) as described in step 308 or to supply expanded information (i.e., more...
- ...for example, registrar has sufficient user information to register the user at substantially all cooperating **third party** websites 116). Note that at least in one embodiment, the basic information supplied in step ...and 8B present a flowchart for the steps performed when the user accesses a present **third party** website 116 cooperating with registrar, and in the process of registering at the **third party** website the user is automatically put in contact with the registrar website 100 so that registration information may be provided to registrar for registering the user at the present **third party** website as well as other **third party** websites that the user may request. Accordingly, assuming the user uses a WWW browser 120 to access a **third party** website 116 as in step 404, the **third party** website responds with a website home page (step 408) typically having a registration fill-out...
- ...enter registration information. Note that the user may or may not be registered at this **third party** website. Thus, if the user is registered, then he/she may only need to enter...
- ...and optionally a password in order to gain access to a desired application at the **third party** website. Further note that for different **third party** websites 116, the user's identification (and

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- optionally a password) may be different due to constraints on user ID (and password) syntax being different at different **third party** websites. Further, such user IDs at different websites may be different because a user ID subsequently, once the **third party** website 116 has received a response from the user, a determination is made as to...
- ...no further pertinent processing is required. Alternatively, if the user is not registered at the **third party** website, then a response is transferred from the **third party** website 116 through the World Wide Web 104 to the user's WWW browser 120...
- ...out forms in which the user is requested to enter information for registering at the **third party** website. Note that if the **third party** website 116 is configured to accept user registration information from the present invention, then at least one fill-out form related to registering at the **third party** website 116 will request information related to registering the user by using the present invention. In particular, the **third party** website 116 may present the user with a fill-out form requesting the user to...
- ...forms may request the user to indicate whether he/she prefers to register at the **third party** website 116 by using registrar. Thus, assuming the user desires to register at the **third party** website 116, a determination is made as to whether the user wishes to register using the registrar present invention or register at the **third party** website without using the present invention (step 416). If the user chooses to not use the registrar for registering at the **third party** website 116, then the user explicitly supplies registration information for the present **third party** website (step 420). Alternatively, if the user chooses to use registrar to register, then once the present **third party** website 116 receives a response from the user indicating the choice to use registrar to register, in step 424, the present **third party** website sends a request to the registrar website 100 for registering the user at the...
- ...website 100, in step 432, the user is automatically placed in contact with the present **third party** website so that he/she submits a registration fill-out form to this **third party** website 116: (a) indicating that the user's registration information may be obtained from the...
- ...a password) for the registrar website 100 to be used as identification at the present **third party** website. Following this, in step 436 the **third party** website 116 invokes the program corresponding to FIG. 5 to obtain the user's registration data from the registrar website 100. Lastly, upon verification by the **third party** website 116 of the user's registration data, the user is granted access to the desired **third party** website and/or application (step 440...is presented of the registration data transmission process from the registrar website 100 to a **third party** website 116 or targeted message selection logic resident on the user node or elsewhere. Accordingly, in step 504 the **third party** website 116 provides the registrar website 100 with identification of the **third party** website, the user's registrar user ID and (any) registrar password. Further, in some instances, as will be described below, the **third party** website 116 also supplies the registrar website 100 with a return path to the user...
- ...step 508, a determination is made by the registrar website 100 as to whether the **third party** website supplied information can be authenticated. If not all **third party** website information is authenticated, then step 512 is encountered wherein a determination is

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made as to whether to request that the **third party** website to resend the information of step 504. Note that such a determination may be made in one embodiment depending upon whether the **third party** website identification is authenticated. That is, if the **third party** website identification is authenticated, then a retry may be allowed. Otherwise, no retry may be allowed. Alternatively, referring again to step 508, if all information transmitted from the **third party** website 116 is authenticated at the registrar website 100, then step 516 is encountered. In this step, the program represented by FIG. 6 is performed for supplying the **third party** website 116 with registration information related to the user from the user registration information database... FIGS. 10A and 10B, the flowchart presented here provides the steps for supplying a present **third party** website 116 with registration information from the registrar website 100, assuming that the present **third party** website 116 has requested such information and that the request has been authenticated at the...

- ...the steps of FIG. 11 for retrieving the user registration information requested by the present **third party** website 116 from the user registration information database 144. Note that a **third party** website 116 may request various categories of information from the registrar website 100 related to the user. In particular, a **third party** website may request: (a) basic information as discussed in step 308 of FIG. 7; (b...
- ...step 604, step 608 is encountered wherein a registration application 128 determines whether the present **third party** website 116 requesting user information (for a user attempting to register at this **third party** website) requires that a user ID (and optionally password) be generated specifically for this **third party** website. That is, the **third party** website 116 may require a user ID and/or password that conforms with a format peculiar to the **third party** website 116. Note that to perform the step 608, in at least one embodiment information related to the requirements of the present **third party** website 116 are stored at the registrar website 100. In particular, the registrar website 100...
- ...at the registrar website 100 such that a registrar application 128 (upon identifying a particular **third party** website 116) may access a related user information request template for determining what information may be required by this **third party** website...
- ...If a user ID and optionally password need not be generated specifically for the requesting **third party** website 116, then in step 612 the user information requested by the **third party** website 116 is encrypted and in step 616 the encrypted information is sent to the **third party** website. Following this, in step 620 a registrar application 128 logs an entry or a...
- ...database 152 indicating that registration information for the user has been transmitted to the present **third party** website 116. Subsequently, in step 624 a registrar application 128 (or, more precisely, an instantiation thereof) waits for an acceptance response from the present **third party** website 116 to which the encrypted user information was sent. Note that the response from the present **third party** website may include a **third party** website specific user ID (and optionally password) if the user was not previously registered at this **third party** website. That is, the **third party** website may automatically generate at least a user ID if the user was not previously registered at the website. Alternatively, it may be the case that the

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present **third party** website uses the user's registrar registration user ID and password for registering the user at the **third party** website 116. Note that in at least one embodiment for registration processing at a **third party** website 116, the use of the registrar user ID does not create ambiguity in the identity of users registering at the **third party** website. For example, a user seeking access to a cooperating **third party** website may be required to indicate that his/her user ID and/or password is a registrar generated user ID (and/or password) so that the **third party** website can process the entered user identification differently from that of users who have registered without using the present invention. Subsequently, when an acceptance response from the requesting **third party** website 116 is provided to the registrar website 100 (or, more precisely, a registrar application...

...in step 632, a determination is made as to whether the response from the present **third party** website 116 indicates that the user is now registered at this **third party** website. If no such indication is provided, then in step 636 a message is sent...user's WWW client node 108 that registrar cannot register the user at the present **third party** website to which the user has requested registration and access. Further, the registrar application 128...

...through registrar at the present party website if such a reason was indicated by this **third party** website when the response of step 624 was received...

...if in step 632 it is determined that the user is registered at the present **third party** website, then in step 640 the program corresponding to the flowchart of FIG. 12 is performed for storing at least the user's ID (and optionally password) for the present **third party** website at the registrar website 100 (more precisely, in the user registration information database 144...

...registrar application 128 is required to generate a user ID (and optionally password) for the **third party** website 116, then step 644 is next performed wherein a registrar application 128 generates a user ID (and optionally password) to be **transmitted** to the **third party** website 116. Subsequently, the sequence of steps 648 through 668 are performed. Note that this...

...same sequence of steps as steps 612 through 632. However, the response from the present **third party** website logged in step 664 may include an indication as to whether the user generated by the registrar application 128 is acceptable to the present **third party** website 116

...

...discussion of FIGS. 10A and 10B from step 668, if the response from the present **third party** website 116 indicates that the user is registered at the desired **third party** website, then step 672 is performed wherein the program corresponding to the flowchart of FIG...

...is again used to store the user's ID (and optionally password) for the present **third party** website in the user registration information database 144 (as in step 640). Alternatively, if in step 668 it is determined that the user is not registered at the present **third party** website 116, then in step 676 a determination is made as to whether the generated...

...i.e., user ID and optionally password) step 644 has been rejected by the present **third party** website. If so, then in step 680 a determination is made as to whether this at the present **third party** website). If

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the results of the test in step 680 is affirmative, then step 644 is again encountered for generating alternative user registration information for the present **third party** web site. Note that it is an aspect of the present invention that, at least...

- ...ID as a "seed" from which to generate a user ID acceptable to the present **third party** website 116. Moreover, note that the generation process of step 644 may use various heuristics and **third party** web site constraints to generate acceptable user IDs...
- ...Alternately, if the negative branch from step 676 is followed, then the **third party** website 116 may have rejected registering the user for any of a number of reasons...
- ...be alleviated in a timely fashion so that the user can be registered at this **third party** website in a short amount of time. Accordingly, step 684 is encountered wherein a message...
- ...WWW client node 108 indicating that registrar cannot currently register the user at the requested **third party** website 116. Further, note that if in step 680 it is determined that too many attempts have been made to generate acceptable registration information for the **third party** website, then step 684 is also encountered...
- ...flowchart of FIGS. 10A and 10B is representative of the processing variations for supplying a **third party** website or message selection logic with registration information. For instance, those skilled in the art...
- ...may have a timer associated with them whereby if there is no response from the **third party** website within a predetermined time period, then a default response is provided by a registrar...
- ...other anomalies indicated in the acceptance response received in step 660. For example, if the **third party** website 116 requests additional user information than what was provided in step 648, then if...
- ...permissible to disseminate this information, then the additional information may be transmitted to the present **third party** website 116. Also, in such a case, the transmittal of this additional information is recorded...a program is provided for supplying, from the user registration information database 144, a requesting **third party** website 116 or message selection logic with registration information related to a particular user. Accordingly...
- ...supplied with an indication as to what type of information is required by the requesting **third party** website, then a registrar application 128 constructs such a request to be transmitted to the requesting **third party** website and subsequently the application may wait for a response from this **third party** website. Following step 704, in step 708 it is assumed that the registrar website 100 has been provided with an indication or specification as to what information the requesting **third party** website desires. Thus, the registrar application 128 performing step 704 may now determine what registration information is to be transmitted to this **third party** website. Note that at least in one embodiment of step 708, the user registration information...
- ...a user that the user has indicated is available to be transmitted to a requesting **third party** website. 1.2) The type and amount of information the requesting **third party** website 116 has contracted with the registrar website 100 for transmitting regarding a particular user...

- ...expanded, custom or proprietary registration information related to a user is transmitted to the requesting **third party** website in step 736 ...
- ...the user registration information database 144, a user's ID and/or password for a **third party** website 116 to which the user is registered using registrar. More precisely, the user ID and/or password for such a **third party** website is stored via the steps of FIG. 12 if this information is different from...
- ...s registrar user ID and/or password. That is, it is believed that for many **third party** websites 116, the registrar user ID and password for users registered at the registrar website 100 will be identical to the user's user ID and password at **third party** websites. Note that there are significant advantages to **third party** websites 116 using, for each registered user, the user's registrar user ID and password (or, some other user ID and password in common with other **third party** websites to which the user is registered). For instance, a user is required to remember...
- ...to whether the user has been provided with a user ID (optionally password) for the **third party** website 116 (to which the user is attempting to register) that is different from the performed wherein the user's specific user ID and optionally password for this **third party** website is stored with other user registration information in the user registration information database 144...
- ...website: (a) each user has the convenience of off-site storage backup for each such **third party** website to which the user is registered and (b) depending on the registration process at the **third party** website, it may be expedient for such a website (at least temporarily) to automatically contact the registrar website 100 for retrieving, for example, the user's **third party** website specific user ID upon subsequent user accesses to the **third party** website...
- ...Following step 804, in step 808 a determination is made as to whether the **third party** website has indicated that it will initiate requests as in (b) immediately above. If so...
- ...enter his/her user registrar website 100 user ID (and optionally password) when accessing the **third party** website. Alternatively, if step 808 yields a negative answer then step 812 is performed wherein...
- ...WWW client node 108 providing the user with the ID (and optionally password) for the **third party** website...browser 120 port) may store locally at the client node 108 registration information for accessing **third party** websites 116 to which the user has registered or for use in selecting targeted messages...
- ...In FIG. 13, a flowchart is presented of the program for registering at a **third party** website 116 when the module 156 is installed on the user's client node 108...
- ...steps of FIG. 13, in step 904 the user sends a request to access a **third party** website 116 via the user's WWW browser 120. Subsequently, upon receiving the request, the accessed **third party** website 116 responds with a home page having ...user indicates on the fill-out form that he/she desires to register at the **third party** website and that his/her registration information can be retrieved using the registrar

registration module...

- ...that this module can supply the appropriate user registration information to be communicated to the **third party** website 116. Also note that the home page from the **third party** website 116 may indicate the type of information required to register the user and this...
- ...information stored on the user's client node 108 that will be transmitted to the **third party** website. Subsequently, in step 916 the user specifies that the registration fill-out form is to be submitted to the **third party** website. Accordingly, the WWW browser 120 communicates with the registrar registration module 156 to supply the registration information to the **third party** website. That is, the processing performed here includes the steps of FIG. 14 which are...
- ...module 156 to the registrar website 100 indicating that the user has registered at the **third party** website and additionally supplying the registrar website 100 with any user ID and password specific to the **third party** website. Note that by sending this information as well as, for example, a copy of...to the flowchart of FIG. 14, this flowchart describes the steps performed when supplying a **third party** website 116 or message selection logic with registration information retained by the registrar registration module...
- ...the flowchart of FIG. 11 are performed for retrieving the registration information requested by the **third party** website. Subsequently, in step 1008 the registrar registration module 156 packages the accessed registration information for the **third party** website together with the user's registrar ID (and optionally password) for transmittal to the **third party** website. Subsequently, in step 1016 the registration information packaged together in step 1008 is encrypted so that in step 1020 this encrypted information may be sent securely to the **third party** website via the World Wide Web 104. Following this, in step 1024 the module 156...
- ...local log on the client node 108 indicating what registration information was sent to the **third party** website. Subsequently, in ...step 1028 a process may be instantiated to wait for an acceptance response from the **third party** website so that when such a response is obtained it may be logged locally at...
- ...embodiment the user may configure the registrar registration module 156 to log all activities with **third party** websites 116 and provide the records of this log to the registrar website 100. This...
- ...the World Wide Web 104. Such analysis may be useful to both registrar users and **third party** website personnel in that, given a user's World Wide Web 104 activity, the registrar website 100 may suggest additional **third party** websites 116 of which the user may not be aware. Further, by analyzing the user access logs of registrar users, the registrar website 100 may provide statistics to the **third party** websites 116 as to the number and types of users accessing their respective websites...to contact publicly available databases that registrar has accessed obtaining incorrect user information; and (d) **third party** websites 116 that are providing information for a limited period of time and for which...and the subsequent steps of FIG. 15B are encountered wherein the registrar updates or alerts **third party** websites or message selection logic having previously received user registration information that this information may such **third party** websites or message selection logic via the present invention is consistent with the newly supplied...



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...at least one embodiment, prior to providing any newly entered user registration information to the **third party** websites or message selection logic, such information may be compared or correlated with publicly available information regarding the user that is, for example, accessible via certain **third party** websites 116. Further, the user may request his/her newly entered registration information by supplied...

...108 for entering information that will subsequently be used for registering substantially automatically cooperating at **third party** websites 116 requested by the user. Subsequently, in step 1208 the registrar registration module 156...ID is stored on the user's node 108 for a subsequent transmittal to a **third party** website during a registration process at a **third party** website that accepts the registrar user ID as the website's ID. Subsequently, regardless of... website 100 to be interrogated for the registrar user ID and password and, if found, **download** the user's registration information to the user's client node 108. If no valid...supplied information as the basis or "seed" for generating an acceptable user ID (and optionally **password**) to be **transmitted** back to the user. Accordingly, in step 1340, once the user is presented with the...user information. In response, in the illustrated implementation, the information site prompts the user to **download** (1404) a module for allowing secure transmissions between the user and the information site over...information site transmits (1414) an access denied message to the requesting party, e.g., a **third party** website or logic for selecting targeted messages for display or playback during Internet session waiting time. If desired, when an access denied message is transmitted to a **third party** requester, the information site may also notify the user of the attempted access and the...doctor, travel agent, employer, etc.) or others from compatible programs. Conversely, such information can be **downloaded** into smart cards or other storage devices as desired by the user...

1/3,K/11 (Item 8 from file: 654)

DIALOG(R)File 654:US Pat.Full.

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5348995 \*\*IMAGE Available

**Utility**

**Abstraction factory in a base services pattern environment**

Inventor: Bowman-Amuah, Michel K., Colorado Springs, CO

Assignee: Accenture, LLP (02), Palo Alto, CA

Examiner: Follansbee, John (Art Unit: 211)

Assistant Examiner: Hirl, Joseph P.

Law Firm: Oppenheimer Wolff & Donnelly LLP

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 6615199	A	20030902	US 99386831	19990831

Fulltext Word Count: 143333

1/3,K/12 (Item 9 from file: 654)

DIALOG(R)File 654:US Pat.Full.

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5325593 \*\*IMAGE Available

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Derwent Accession: 2001-315995

**Utility**

**Stream-based communication in a communication services patterns environment**

Inventor: Bowman-Amuah, Michel K., Colorado Springs, CO

Assignee: Accenture LLP (02), Palo Alto, CA

Examiner: Burgess, Glenton B. (Art Unit: 213)

Assistant Examiner: Kupstas, Tod

Law Firm: Oppenheimer Wolff & Donnelly LLP

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 6606660	A	20030812	US 99386717	19990831

Fulltext Word Count: 143460

**1/3,K/13 (Item 10 from file: 654)**

DIALOG(R) File 654:US Pat.Full.

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5310000 \*\*IMAGE Available

**Utility**

**Attribute dictionary in a business logic services environment**

Inventor: Bowman-Amuah, Michel K., Colorado Springs, CO

Assignee: Accenture LLP (02), Palo Alto, CA

Examiner: Hafiz, Tariq R. (Art Unit: 363)

Assistant Examiner: Jeanty, Romain

Law Firm: Oppenheimer Wolff & Donnelly LLP

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 6601234	A	20030729	US 99388022	19990831

Fulltext Word Count: 145845

**1/3,K/14 (Item 11 from file: 654)**

DIALOG(R) File 654:US Pat.Full.

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5309958 \*\*IMAGE Available

**Utility**

**Assertion component in environment services patterns**

Inventor: Bowman-Amuah, Michel K., Colorado Springs, CO

Assignee: Accenture LLP (02), Palo Alto, CA

Examiner: Beausoliel, Robert (Art Unit: 287)

Assistant Examiner: Bonzo, Bryce P.

Law Firm: Oppenheimer Wolff & Donnelly LLP

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 6601192	A	20030729	US 99388021	19990831

Fulltext Word Count: 143686

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1/3,K/15 (Item 12 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
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5285429 \*\*IMAGE Available

**Utility**

**Media content notification via communications network**

Inventor: Klug, John R., 5801 Bluebell La., Evergreen, CO, 80439

Assignee: Unassigned

Examiner: Hafiz, Tariq R. (Art Unit: 363)

Assistant Examiner: Bachner, Rebecca M.

Law Firm: Dorsey & Whitney LLP

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 6591245	A	20030708	US 99407000	19990928
Continuation	US 5790785	A		US 96595837	19960202
CIP	Pending			US 98128915	19980804

Fulltext Word Count: 12799

Description of the Invention:

...part or in whole at the user node. For example, the notification program may be **downloaded** from the notification site or may otherwise be loaded onto the user node via a...client nodes such as WWW client node 2108, and with other web sites such as **third party** web site 2116, wherein the registrar web site 2100 facilitates the registration of a user at a WWW client node 2108 when this user desires to register at the **third party** web site 2116. In this first embodiment, the user accesses the World Wide Web 2104...

...of the registrar web site 2100 for registering the user at a one or more **third party** web sites 2116, the user must in some manner request explicit access to the registrar...be described as follows. In order for a user to register at one or more **third party** web sites 2116, the user at a WWW client node 2108 accesses the World Wide...

...to capabilities of the registrar web site 2100 in assisting the user in registering at **third party** web sites 2116. Such outputs from registrar applications 2128, are subsequently transmitted, via the network...

...she can have this information at the registrar web site 2100 automatically transferred to a **third party** web site 2116 when the user is requested to register at such a **third party** web site. Subsequently, after the user's request to supply registration information is transmitted to...at the registrar web site 2100, the user may then substantially automatically register at various **third party** web sites 2116 that are affiliated with the registrar web site 2100 in that an agreement has been reached between each such **third party** web site 2116 and the registrar web site 2120 for transmitting a user's registration information to the **third party** web site 2116 when, for example, the user requests such transmittal. Thus, assuming the user accesses the **third party** web site 2116 and, for example, the home page for the **third party** web site 2116 includes a form field allowing the user to specify that the user...

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- ...then the user can submit a response, via the World Wide Web 2104, to the **third party** web site 2116 indicating that the user's registration information should be obtained from the registrar web site 2100. Thus, the **third party** web site 2116 requests and receives the user's registration information from the registrar web information in registration information database 2148 directly accessible by the **third party** web site 2116. Additionally note that when the registrar web site 2100 receives a request from the **third party** web site 2116 for user registration information, a registrar application 2128 records the request for...
- ...log data base 2152. Thus, the registrar web site 2100 maintains a log of the **third party** web sites requesting registration information. Further, such **third party** web sites 2116 may periodically provide the registrar web site 2100 with information related to the frequency that users registered at the registrar web site 2100 have accessed the **third party** web sites 2116. Therefore, by also storing this information, for example, in the registrar access...
- ...registrar web site 2100 is able to determine the frequency and type of access of **third party** web sites 2116 by users...
- ...the registrar web site 2100 for providing registration information, the user may instead access a **third party** web site 2116 wherein the home page or registration page for the **third party** web site includes input fields allowing the user to request that the registrar web site to the registrar web site 2100 for automatically registering at the **third party** web site 2116 (as well as other **third party** web sites that may be subsequently requested). That is, the newly entered registration information is transferred to the **third party** web site 2116 by entering into a registrar specific portion of the registration form for the **third party** web site 2116 a registrar user identification and optionally a password for requesting that the **third party** web site access the registrar web site 2100 to obtain the user's registration information. Thus, the user's registration information automatically is communicated to the **third party** web site 2116 without the user explicitly having to navigate the World Wide Web 2104...
- ...client node 2108 for communication with the registrar web site 2100 as well as with **third party** web sites 2116 that accept registration information from the present invention. In one embodiment of...
- ...site registration information and communicating with the registrar web site 2100 as well as cooperating **third party** web sites 2116 at ... 2120, the user is presented with an integrated set of functions for registering and accessing **third party** web sites 2116...
- ...there are failures at the user's WWW client node 2108. Thus, to access a **third party** web site 2116 that cooperates with the registrar for registering the user, once the user has made contact through the World Wide Web 2104 with such a **third party** web site 2116, the user transfers his/her registration information from the registration module 2156 to the **third party** web site. Further note that in the registration process of the present embodiment, whenever the user registers at a **third party** web site 2116, the registrar web site 2100 is provided, by (for example) the module...
- ...so that the user also has a off-site backup copy of all registrations at **third party** web sites residing at the registrar web site 2100...with a home page describing the registrar services, a selection or browsing capability for reviewing **third party** web sites 2116 accepting

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registrar registrations, and a fill-out form so that the user...supplied insufficient information for the registrar web site 2100 to supply adequate information to most **third party** web sites 2116 that utilize registrar registration capabilities. Thus, a similar feedback loop to loop...

- ...provided for requesting that the user supply additional information so that a substantial number of **third party** web sites 2116 cooperative with registrar will allow the user to register at them using...user determines whether to supply basic information (i.e., requested by a substantial number of **third party** web sites 2116) as described in step 2308 or to supply expanded information (i.e...
- ...for example, registrar has sufficient user information to register the user at substantially all cooperating **third party** web sites 2116). Note that at least in one embodiment, the basic information supplied in ...and 7B present a flowchart for the steps performed when the user accesses a present **third party** web site 2116 cooperating with registrar, and in the process of registering at the **third party** web site the user is automatically put in contact with the registrar web site 2100...
- ...that registration information may be provided to registrar for registering the user at the present **third party** web site as well as other **third party** web sites that the user may request. Accordingly, assuming the user uses a WWW browser 2120 to access a **third party** web site 2116 as in step 404, the **third party** web site responds with a web site home page (step 408) typically having a registration...enter registration information. Note that the user may or may not be registered at this **third party** web site. Thus, if the user is registered, then he/she may only need to...
- ...and optionally a password in order to gain access to a desired application at the **third party** web site. Further note that for different **third party** web sites 2116, the user's identification (and optionally a password) may be different due to constraints on user ID (and password) syntax being different at different **third party** web sites. Further, such user IDs at different web sites may be different because a...
- ...Subsequently, once the **third party** web site 2116 has received a response from the user, a determination is made as...
- ...to the present invention is required. Alternatively, if the user is not registered at the **third party** web site, then a response is transferred from the **third party** web site 2116 through the World Wide Web 2104 to the user's WWW browser...
- ...out forms in which the user is requested to enter information for registering at the **third party** web site. Note that if the **third party** web site 2116 is configured to accept user registration ...the present invention, then at least one fill-out form related to registering at the **third party** web site 2116 will request information related to registering the user by using the present invention. In particular, the **third party** web site 2116 may present the user with a fill-out form requesting the user...
- ...forms may request the user to indicate whether he/she prefers to register at the **third party** web site 2116 by using registrar. Thus, assuming the user desires to register at the **third party** web site

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2116, a determination is made as to whether the user wishes to register using the present invention or register at the **third party** web site without using the present invention (step 416). If the user chooses to not use the present invention for registering at the **third party** web site 2116, then the user explicitly supplies registration information for the present **third party** web site (step 420). Alternatively, if the user chooses to use registrar to register, then once the present **third party** web site 2116 receives a response from the user indicating the choice to use registrar to register, in step 424, the present **third party** web site sends a request to the registrar web site 2100 for registering the user...

...site 2100, in step 432, the user is automatically placed in contact with the present **third party** web site so that he/she submits a registration fill-out form to this **third party** web site 2116: (a) indicating that the user's registration information may be obtained from ...

...password) for the registrar web site 2100 to be used as identification at the present **third party** web site. Following this, in step 436 the **third party** web site 2116 invokes the program corresponding to FIG. 8 to obtain the user's registration data from the registrar web site 2100. Lastly, upon verification by the **third party** web site 2116 of the user's registration data, the user is granted access to the desired **third party** web site and/or application (step 440...

...presented of the registration data transmission process from the registrar web site 2100 to a **third party** web site 2116. Accordingly, in step 504 the **third party** web site 2116 provides the registrar web site 2100 with identification of the **third party** web site, the user's registrar user ID and (any) registrar password. Further, in some instances, as will be described below, the **third party** web site 2116 also supplies the registrar web site 2100 with a return path to...

...508, a determination is made by the registrar web site 2100 as to whether the **third party** web site supplied information can be authenticated. If not all **third party** web site information is authenticated, then step 512 is encountered wherein a determination is made as to whether to request that the **third party** web site to resend the information of step 504. Note that such a determination may be made in one embodiment depending upon whether the **third party** web site identification is authenticated. That is, if the **third party** web site identification is authenticated, then a retry may be allowed. Otherwise, no retry may be allowed. Alternatively, referring again to step 508, if all information transmitted from the **third party** web site 2116 is authenticated at the registrar web site 2100, then step 516 is encountered. In this step, the program represented by FIGS. 9 is performed for supplying the **third party** web site 2116 with registration information related to the user from the user registration information...

...FIGS. 9A and 9B, the flowchart presented here provides the steps for supplying a present **third party** web site 2116 with registration information from the registrar web site 2100, assuming that the present **third party** web site 2116 has requested such information and that the request has been authenticated at...

...the steps of FIG. 10 for retrieving the user registration information requested by the present **third party** web site 2116 from the user registration information database 2144. Note that a **third party** web

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site 2116 may request various categories of information from the registrar web site 2100 related to the user. In particular, a **third party** web site may request: (a) basic information as discussed in step 2308 of FIG. 6...

...step 604, step 608 is encountered wherein a registration application 2128 determines whether the present **third party** web site 2116 requesting user information (for a user attempting to register at this **third party** web site) requires that a user ID (and optionally password) be generated specifically for this **third party** web site. That is, the **third party** web site 2116 may require a user ID and/or password that conforms with a format peculiar to the **third party** web site 2116. Note that to perform the step 608, in at least one embodiment of the present invention, information related to the requirements of the present **third party** web site 2116 are stored at the registrar web site 2100. In particular, the registrar...the registrar web site 2100 such that a registrar application 2128 (upon identifying a particular **third party** web site 2116) may access a related user information request template for determining what information may be required by this **third party** web site...

...If a user ID and optionally password need not be generated specifically for the requesting **third party** web site 2116, then in step 612 the user information requested by the **third party** web site 2116 is encrypted and in step 616 the encrypted information is sent to the **third party** web site. Following this, in step 620 a registrar application 2128 logs an entry or...

...database 2152 indicating that registration information for the user has been transmitted to the present **third party** web site 2116. Subsequently, in step 624 a registrar application 2128 (or, more precisely, an instantiation thereof) waits for an acceptance response from the present **third party** web site 2116 to which the encrypted user information was sent. Note that the response from the present **third party** web site may include a **third party** web site specific user ID (and optionally password) if the user was not previously registered at this **third party** web site. That is, the **third party** web site may automatically generate at least a user ID if the user was not previously registered at the web site. Alternatively, it may be the case that the present **third party** web site uses the user's registrar registration user ID and password for registering the user at the **third party** web site 2116. Note that in at least one embodiment for registration processing at a **third party** web site 2116, the use of the registrar user ID does not create ambiguity in the identity of users registering at the **third party** web site. For example, a user seeking access to a cooperating **third party** web site may be required to indicate that his/her user ID and/or password is a registrar generated user ID (and/or password) so that the **third party** web site can process the entered user identification differently from that of users who have registered without using the present invention. Subsequently, when an acceptance response from the requesting **third party** web site 2116 is provided to the registrar web site 2100 (or, more precisely, a...

...in step 632, a determination is made as to whether the response from the present **third party** web site 2116 indicates that the user is now registered at this **third party** web site. If no such indication is provided, then in step 636 a message is...

...user's WWW client node 2108 that registrar cannot register the user at the present **third party** web site to which the user has requested registration and access. Further, the registrar application...

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- ...registrar at the present party web site if such a reason was indicated by this **third party** web site when the response of ...if in step 632 it is determined that the user is registered at the present **third party** web site, then in step 640 the program corresponding to the flowchart of FIG. 11...
- ...performed for storing at least the user's ID (and optionally password) for the present **third party** web site at the registrar web site 2100 (more precisely, in the user registration information...
- ...registrar application 2128 is required to generate a user ID (and optionally password) for the **third party** web site 2116, then step 644 is next performed wherein a registrar application 2128 generates a user ID (and optionally **password**) to be **transmitted** to the **third party** web site 2116. Subsequently, the sequence of steps 648 through 668 are performed. Note that...
- ...same sequence of steps as steps 612 through 632. However, the response from the present **third party** web site logged in step 664 may include an indication as to whether the user generated by the registrar application 2128 is acceptable to the present **third party** web ... discussion of FIGS. 9A and 9B from step 668, if the response from the present **third party** web site 2116 indicates that the user is registered at the desired **third party** web site, then step 672 is performed wherein the program corresponding to the flowchart of...
- ...is again used to store the user's ID (and optionally password) for the present **third party** web site in the user registration information database 2144 (as in step 640). Alternatively, if in step 668 it is determined that the user is not registered at the present **third party** web site 2116, then in step 676 a determination is made as to whether the ...
- ...i.e., user ID and optionally password) step 644 has been rejected by the present **third party** web site. If so, then in step 680 a determination is made as to whether...
- ...than a predetermined number of times in attempting to register the user at the present **third party** web site). If the results of the test in step 680 is affirmative, then step 644 is again encountered for generating alternative user registration information for the present **third party** web site. Note that it is an aspect of the present invention that, at least...ID as a "seed" from which to generate a user ID acceptable to the present **third party** web site 2116. Moreover, note that the generation process of step 644 may use various heuristics and **third party** web site constraints to generate acceptable user IDs ...
- ...Alternately, if the negative branch from step 676 is followed, then the **third party** web site 2116 may have rejected registering the user for any of a number of...
- ...be alleviated in a timely fashion so that the user can be registered at this **third party** web site in a short amount of time. Accordingly, step 684 is encountered wherein a...
- ...WWW client node 2108 indicating that registrar cannot currently register the user at the requested **third party** web site 2116. Further, note that if in step 680 it is determined that too many attempts have been made to generate acceptable registration information for the **third party** web site, then step 684 is also encountered...representative of the processing variations within the scope of the present invention for



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- supplying a **third party** web site with registration information. For instance, those skilled in the art will appreciate that...
- ...may have a timer associated with them whereby if there is no response from the **third party** web site within a predetermined time period, then a default response is provided by a...
- ...other anomalies indicated in the acceptance response received in step 660. For example, if the **third party** web site 2116 requests additional user information than what was provided in step 648, then...
- ...permissible to disseminate this information, then the additional information may be transmitted to the present **third party** web site 2116. Also, in such a case, the transmittal of this additional information is database 2144, a requesting **third party** web site 2116 with registration information related to a particular user. Accordingly, in step 704...
- ...supplied with an indication as to what type of information is required by the requesting **third party** web site, then a registrar application 2128 constructs such a request to be transmitted to the requesting **third party** web site and subsequently the application may wait for a response from this **third party** web site. Following step 704, in step 708 it is assumed that the registrar web...
- ...2100 has been provided with an indication or specification as to what information the requesting **third party** web site desires. Thus, the registrar application 2128 performing step 704 may now determine what registration information is to be transmitted to this **third party** web site. Note that at least in one embodiment of step 708, the user registration...
- ...a user that the user has indicated is available to be transmitted to a requesting **third party** web site type and amount of information the requesting **third party** web site 2116 has contracted with the registrar web site 2100 for transmitting regarding a...
- ...expanded, custom or proprietary registration information related to a user is transmitted to the requesting **third party** web site in step 736...
- ...the user registration information database 2144, a user's ID and/or password for a **third party** web site 2116 to which the user is registered using registrar. More precisely, the user ID and/or password for such a **third party** web site is stored via the steps of FIG. 11 if this information is different or password. That is, it is believed that for many **third party** web sites 2116, the registrar user ID and password for users registered at the registrar web site 2100 will be identical to the user's user ID and password at **third party** web sites. Note that there are significant advantages to **third party** web sites 2116 using, for each registered user, the user's registrar user ID and password (or, some other user ID and password in common with other **third party** web sites to which the user is registered). For instance, a user is required to...
- ...to whether the user has been provided with a user ID (optionally password) for the **third party** web site 2116 (to which the user is attempting to register) that is different from...
- ...804 is performed wherein the user's specific user ID and optionally

- password for this **third party** web site is stored with other user registration information in the ...site: (a) each user has the convenience of off-site storage backup for each such **third party** web site to which the user is registered and (b) depending on the registration process at the **third party** web site, it may be expedient for such a web site (at least temporarily) to automatically contact the registrar web site 2100 for retrieving, for example, the user's **third party** web site specific user ID upon subsequent user accesses to the **third party** web site...
- ...Following step 804, in step 808 a determination is made as to whether the **third party** web site has indicated that it will initiate requests as in (b) immediately above. If...
  - ...his/her user registrar web site 2100 user ID (and optionally password) when accessing the **third party** web site. Alternatively, if step 808 yields a negative answer then step 812 is performed...
  - ...WWW client node 2108 providing the user with the ID (and optionally password) for the **third party** web site...browser 2120 port) may store locally at the client node 2108 registration information for accessing **third party** web sites 2116 to which the user has registered using the present invention. In FIGS...
  - ...In FIG. 12, a flowchart is presented of the program for registering at a **third party** web site 2116 when the module 2156 is installed on the user's client node...
  - ...steps of FIG. 12, in step 904 the user sends a request to access a **third party** web site 2116 via the user's WWW browser 2120. Subsequently, upon receiving the request, the accessed **third party** web site 2116 responds with a home page having a registration fill-out form (step...user indicates on the fill-out form that he/she desires to register at the **third party** web site and that his/her registration information can be retrieved using the registrar registration...
  - ...that this module can supply the appropriate user registration information to be communicated to the **third party** web site 2116. Also note that the home page from the **third party** web site 2116 may indicate the type of information required to register the user and...
  - ...information stored on the user's client node 2108 that will be transmitted to the **third party** web site. Subsequently, in step 916 the user specifies that the registration fill-out form is to be submitted to the **third party** web site. Accordingly, the WWW browser 2120 communicates with the registrar registration module 2156 to supply the registration information to the **third party** web site. That is, the processing performed here includes the steps of FIG. 13 which...
  - ...2156 to the registrar web site 2100 indicating that the user has registered at the **third party** web site and additionally supplying the registrar web site 2100 with any user ID and password specific to the **third party** web site. Note that by sending this information as well as, for example, a copy...to the flowchart of FIG. 13, this flowchart describes the steps performed when supplying a **third party** web site 2116 with registration information retained by the registrar registration module 2156 on the...
  - ...the flowchart of FIG. 10 are performed for retrieving the registration information requested by the **third party** web site. Subsequently, in

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step 1008 the registrar registration module 2156 packages the accessed registration information for the **third party** web site together with the user's registrar ID (and optionally **password**) for **transmittal** to the **third party** web site. Subsequently, in step 1016 the registration information packaged together in step 1008 is encrypted so that in step 1020 this encrypted information may be sent securely to the **third party** web site via the World Wide Web 2104. Following this, in step 1024 the module the **third party** web site. Subsequently, in step 1028 a process may be instantiated to wait for an acceptance response from the **third party** web site so that when such a response is obtained it may be logged locally...

...invention the user may configure the registrar registration module 2156 to log all activities with **third party** web sites 2116 and provide the records of this log to the registrar web site...

...Such analysis may be useful to both registrar users and **third party** web site personnel in that, given a user's World Wide Web 2104 activity, the registrar web site 2100 may suggest additional **third party** web sites 2116 of which the user may not be aware. Further, by analyzing the ...

...access logs of registrar users, the registrar web site 2100 may provide statistics to the **third party** web sites 2116 as to the number and types of users accessing their respective web...to contact publicly available databases that registrar has accessed obtaining incorrect user information; and (d) **third party** web sites 2116 that are providing information for a limited period of time and for...the subsequent steps of FIG. 14B are encountered wherein the present invention updates or alerts **third party** web sites having previously received user registration information that this information may be outdated. Thus, the steps 1132-1140 are performed so that the registration information provided to such **third party** web sites via the present invention is consistent with the newly supplied user registration information...

...of the present invention, prior to providing any newly entered user registration information to the **third party** web sites, such information may be compared or correlated with publicly available information regarding the user that is, for example, accessible via certain **third party** web sites 2116. Further, the user may request his/her newly entered registration information by...2108 for entering information that will subsequently be used for registering substantially automatically cooperating at **third party** web sites 2116 requested by the user. Subsequently, in step 1208 the registrar registration module...

...ID is stored on the user's node 2108 for a subsequent transmittal to a **third party** web site during a registration process at a **third party** web site that accepts the registrar user ID as the web site's ID. Subsequently...site 2100 to be interrogated for the registrar user ID and password and, if found, **download** the user's registration information to the user's client node 2108. If no valid...2156 retains the user's registrar user ID (and optionally password) for automatically providing to **third party** web sites at which the user requests registration using the present invention. Accordingly, in step...supplied information as the basis or "seed" for generating an acceptable user ID (and optionally **password**) to be **transmitted** back to the user. Accordingly, in step 1340, once the user is presented with the...

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DIALOG(R)File 654:US Pat.Full.

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0005234187 \*\*IMAGE Available

Derwent Accession: 1999-154126; 2001-015714

**Channel adaptive equalization precoding system and method**

Inventor: Francois Trans, INV

Tho Ngoc, INV

Correspondence Address: FENWICK & WEST LLP, TWO PALO ALTO SQUARE, PALO ALTO  
CA, 94306, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20030086515	A1	20030508	US 2001970628	20011003
Division	PENDING			US 2001847097	20010501
Division	PENDING			US 2000550395	20000414
Division	PENDING			US 99444007	19991119
CIP	PENDING			US 99417528	19991013
CIP	US 6377640			US 98127383	19980731
Provisional				US 60-170455	19991213
Provisional				US 60-104316	19981013
Provisional				US 60-109340	19981120
Provisional				US 60-129314	19990414
Provisional				US 60-89526	19980615
Provisional				US 60-85605	19980515
Provisional				US 60-54415	19970731
Provisional				US 60-54406	19970731

Fulltext Word Count: 91265

Description of the Invention:

...communication channel tend to reduce the resolution of the data bandwidth of the signal being **transmitted** across the channel. Furthermore, the data may not be interpreted correctly at the receiving end...signature (E-DNA) that is utilized for network security. For the sending data signal, the **transmit** reference carrier is phase locked to the local reference signal source (123) and the encoded...

1/3,K/17 (Item 14 from file: 654)

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2003 The Dialog Corp. All rts. reserv.

0005221922 \*\*IMAGE Available

Derwent Accession: 2002-707417

**System, method and computer program product for collaborative forecasting in a supply chain management framework**

Inventor: Michael Burk, INV

Correspondence Address: FOLEY AND LARDNER SUITE 500, 3000 K STREET NW,  
WASHINGTON, DC, 20007, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20030074250	A1	20030417	US 2001834838	20010413

Fulltext Word Count: 99213

Search Report from Ginger R. DeMille

Description of the Invention:

...such an aspect, the network may include the Internet. In another aspect, the alert is **transmitted** to the stores utilizing the network. As an aspect, the alert may be displayed on...Internet Message Access Protocol, that let the user save messages in a server mailbox and **download** them periodically from the server. In other words, users typically use a program that uses...

1/3,K/18 (Item 15 from file: 654)

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2003 The Dialog Corp. All rts. reserv.

0004926314 \*\*IMAGE Available

Derwent Accession: 2002-100771; 2002-238051

**Customer information collection method and system**

Inventor: Shuzo Yoshii, INV

Assignee: GAIAX CO., LTD (02)

Correspondence Address: KODA & ANDROLIA, 2029 Century Park East, Suite 3850  
, Los Angeles, CA, 90067-3024, US

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 20010037306	A1	20011101	US 2001754625	20010104
Priority				JP 00126132	20000426

Fulltext Word Count: 4292

Abstract:

A customer information collection method in which personal information of an individual who intends to **download** and use digital information is collected as customer information by a **third party** other than such an individual as a result of said **third party** acquiring the right to use the digital information, and the method comprising the steps of...

...own personal information as customer information, collecting and compiling such an inputted customer information, and **transmitting** a **password** is to the individual who has sent his/her own personal information to the **third party** so that such an individual can **download** and use the desired digital information...

1/3,K/19 (Item 16 from file: 654)

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2003 The Dialog Corp. All rts. reserv.

4888905 \*\*IMAGE Available

Derwent Accession: 2001-299841

**Utility**

**Load balancer in environment services patterns**

Inventor: Bowman-Amuah, Michel K., Colorado Springs, CO

Assignee: Accenture LLP (02), Palo Alto, CA

Examiner: Etienne, Ario (Art Unit: 213)

Assistant Examiner: Salad, Abdullahi E.

Law Firm: Oppenheimer Wolff & Donnelly LLP

Publication Number	Kind	Date	Application Number	Filing Date
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2931-Oct-0309:23 AM

Search Report from Ginger R. DeMille

E/ **Fixed format stream in a communication services patterns environment**

Inventor: Bowman-Amuah, Michel K., Colorado Springs, CO

Assignee: Accenture LLP (02), Palo Alto, CA

Accenture LLP (Code: 63692)

Examiner: Dinh, Dung C. (Art Unit: 213)

Law Firm: Oppenheimer Wolff & Donnelly LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6549949	A	20030415	US 99386430	19990831

Fulltext Word Count: 144410

**1/3,K/23 (Item 20 from file: 654)**

DIALOG(R)File 654:US Pat.Full.

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4856984 \*\*IMAGE Available

Derwent Accession: 2003-028592

**Utility**

E/ **System of distributing music contents from server to telephony terminal**

Inventor: Shibata, Takaaki, Shizuoka-ken, JP

Takahashi, Hiroaki, Shizuoka-ken, JP

Takahashi, Takuya, Shizuoka-ken, JP

Yamaura, Atsushi, Shizuoka-ken, JP

Assignee: Yamaha Corporation (03), Hamamatsu, JP

Yamaha Corp JP (Code: 59852)

Examiner: Witkowski, Stanley J. (Art Unit: 287)

Law Firm: Morrison & Foerster LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6548747	A	20030415	US 200281295	20020220
Priority				JP 200144713	20010221

Fulltext Word Count: 9288

**Description of the Invention:**

...uniform resource locators (URL) (a protocol, server address, and port number are identified) which is **downloaded** by the application program...

...Moreover, the conventional browser function **downloads** a ringing tone melody of the song designated by the user from the same server...The ringing tone melody can be **downloaded** into the ringing tone melody memory 11 from the server by the browser function. When...are depressed, the page of the corresponding song on the server side is called, and **downloaded**. Moreover, the song and artist name to be subjected to a focus display (highlight display)...

...when an "enter" key on the operation panel is depressed, the screen shifts to a **download** screen (not shown), a certain page of the corresponding music performance data file on the server side, subjected to the focus display, is connected, and starts to be **downloaded**.

...

- ...the song not displayed in the existing page is depressed, the screen shifts to the **download** screen of the song. Forms of both the artist name and the song title areThe aforementioned song selection screens 22, 23, 25 shift to the **download** screen (not shown), URL from which the focus-displayed music performance data file can be obtained is connected, and the music performance data distributed from the server side is then **downloaded** into the karaoke music performance data memory 8 of FIG. 1. The screen changes to the performance screen 26 simultaneously with the **download** end, the music performance data starts to be reproduced, and thereby generation of the music...
- ...a streaming reproduction system. In this system, the music performance data is simultaneously reproduced during **downloading** .
  - ...depressed to return to the top screen 21, and the focus-displayed song may be **downloaded** into the karaoke music performance data memory 8 by the "enter" key...title and which is dedicated for the ringing tone melody may be shifted to a **download** (purchase) phase. As the music performance data for the ringing tone melody, for example, the...when the notified ID matches the regular ID, a ringing tone melody file 40 is **downloaded** into the mobile telephony terminal via the mobile telephony company server...
- ...terminal is carried out during distribution of the ringing tone melody. Therefore, even when a **third party** not having received the distribution of the karaoke performance unfairly obtains the URL of the ringing tone melody and requests the **download** , the ID of the mobile telephony terminal apparatus is not matched, and the **third party** cannot ...Additionally, the user may **transmit** a **password** via the mobile telephony terminal without being notified of the ID from the mobile telephony...
- ...transmitted instead of the electronic mail 36 notifying the URL. In this case, the subsequent **download** by the web browser becomes unnecessary... data of karaoke, score data, or photograph or profile text of the artist may be **downloaded** with respect to the same song by the web browser. These second contents can be...
- ...terminal, then transferred to a personal computer, and used later. Moreover, the contents may be **downloaded** into an attachable/detachable semiconductor memory card...FIG. 6. In addition to simple browsing of the web page, the application program is **downloaded** and stored in a predetermined memory region of a mobile phone apparatus, or the ringing tone melody is **downloaded** and stored in the predetermined memory region of the mobile phone apparatus...Additionally, in the above description, the web browser is used to **download** the application program of the new information service, but the URL of the contents provider server connected to an exclusive-use circuit may be designated and **downloaded** without being notified to the user in conventional site selection...the "ringing tone melody" is designated in S152, the processing advances to S153, and the **download** is requested to the server. If not, the processing returns to S149, and waits for...

1/3,K/24 (Item 21 from file: 654)

DIALOG(R)File 654:US Pat.Full.

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4846596 \*\*IMAGE Available

Derwent Accession: 2003-566506

Utility

Search Report from Ginger R. DeMille

Main Patent	US 6529909	A	20030304	US 99386837	19990831
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Fulltext Word Count: 145777

1/3,K/27 (Item 24 from file: 654)

DIALOG(R) File 654:US Pat.Full.

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4831537 \*\*IMAGE Available

Derwent Accession: 2000-430766

**Utility**

E/ **Positional camera and GPS data interchange device**

Inventor: Obradovich, Michael L., San Clemente, CA

Assignee: American Calcar, Inc. (02), Wilmington, DE

American Calcar Inc

Examiner: Garber, Wendy R. (Art Unit: 262)

Assistant Examiner: Tillery, Rashawn N.

Law Firm: Christie, Parker & Hale, LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6525768	A	20030225	US 99425320	19991021

Fulltext Word Count: 16515

**Description of the Invention:**

...in FIG. 29, the universal converter enables the PCD to read in data provided by **third parties** 291a, b and convert or filter such data to a format useable by the PCD...the display. The available modes are location 210, show me 230, get map 250 and **third party** 270 modes. The display returns to the GPS Function page when the PREVIOUS button 27i...

...the GPS functions is illustrated in FIG. 5C. The Location, Show Me, Get Map, and **Third Party** pages descend from the GPS Menu page. The Location page comprises the current map, the...

...selected waypoint. The map displayed could be from on-board memory or sent by other **third parties** by way of communication links to the PCD. When map data files are encoded with...communication systems. Closed-loop or proprietary GPS receivers can send/receive data to/from other **third parties** (Brand X, Brand Y) via their own proprietary format using an application system as a...area of the PCD memory. The user can load a map into the location or **third party** pages by pressing the corresponding number key on alphanumeric key pad 26 (shown in FIG...

...PCD memory for a map for the entered location. Maps from an external source are **downloaded** via any of the communication links such as the FAX, BEEPER, PHONE or RADIO touchpoints...FIG. 11 illustrates the **Third Party** page accessed from the GPS menu page. The **Third Party** page provides an interface to communications with a **third party** through touch points in the sub-menu display 151. In the display shown, a user can receive a **third party**'s data and GPS encoded map for viewing on the device or save it for future usage. The user can also dynamically track the **third party** by periodically having the **third party** send updates via normal communication links. The **third party** location can



be displayed on maps dynamically sent by map publishers, maps already on-board (furnished at some earlier date), or on maps sent by the **third party**. The PCD plots and interpolates the GPS data sent by the **third party** and places an icon 951 (GPS latitude and latitude coordinate pair) on the displayed map using spatial query analysis techniques performed by an application module. The information received from the **third party** may be other than maps or GPS encoded information, but may be information of any type. The data is received from the **third party** using phone 400 and radio communication links 500. A PREFERENCES touch point 274 enables entry...on a map on the left side of display 272 and, after contact with a **third party** via a communication link, the **third party**'s map and location on the right side of display 273. If the **third party**'s location is sufficiently close to the user's location, or if the user's displayed map covers a sufficiently large area, both the user's and **third party**'s location can be shown on the same map without resort to a split screen...Phone page is also accessed by pressing the PHONE touchpoint on the Get Map and **Third Party** pages. As with the other pages, the limited GPS data is continuously displayed showing PCD...Connect page provides a means to specify the type and amount of data to be **downloaded** from a specified data provider. The Data Provider Connect page has numerous data fields which...GPS-encoded voice mail or digital files (containing information to various sites) provided by private **third - party** sources. The phone system queue contains previous calls with digital messages linked to web pages...restaurant listing of restaurants in a requested area. This list may have been furnished by **third parties** or a data provider. The PCD has stored this information in digital format and is...

- ...GIFF map or any other map the PCD stored in memory or receives from a **third party** or data provider. The information can be arranged by the PCD using criteria enabling the...the request. The provider or supplier can access further data through data links to other **third party** sources and continue to provide all data required by the requester. This system is consistent...selecting the icon will enable a menu for the requester to specify a data request. **Download** will be in the form of a compressed digital data file that may include video...the predefined telephone number is the universal telephone number of the user the PCD additionally **transmits** a **password** corresponding to security level. The password and security level are selected by the user, and...computer system provides a repository for such material. Data providers and information suppliers, instead of **downloading** data directly to a PCD in response to a request for information by a PCD...
- ...embodiment, requests from a PCD for data include an indication of allowable memory space for **downloaded** data. The allowable memory space may be automatically determined by the PCD based on the...
- ...additional data of 8 megabytes or less, the request for information would indicate a maximum **download** data size of 8 megabytes. Alternatively, the allowable memory space may be set by the...

1/3,K/28 (Item 25 from file: 654)

DIALOG(R)File 654:US Pat.Full.

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4820257 \*\*IMAGE Available

Derwent Accession: 2000-171177

Utility

E/ **Personal communication and positioning system**

Search Report from Ginger R. DeMille

Inventor: Obradovich, Michael L., San Clemente, CA  
Pirtle, John, Silverado, CA  
Dusek, Corena, Corona Del Mar, CA  
Assignee: American Calcar, Inc. (02), Wilmington, DE  
American Calcar Inc  
Examiner: Lee, Benjamin C. (Art Unit: 262)  
Law Firm: Christie, Parker & Hale, LLP

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 6515595	A	20030204	US 2000670002	20000925
Continuation	US 6133853	A		US 98126936	19980730
CIP	US 6148261	A		US 97879955	19970620

Fulltext Word Count: 17146

Description of the Invention:

...in FIG. 29, the universal converter enables the PCD to read in data provided by **third parties** 291a, b and convert or filter such data to a format useable by the PCD...the display. The available modes are location 210, show me 230, get map 250 and **third party** 270 modes. The display returns to the GPS Function page when the PREVIOUS button 27i...

...the GPS functions is illustrated in FIG. 5C. The Location, Show Me, Get Map, and **Third Party** pages descend from the GPS Menu page. The Location page comprises the current map, the...selected waypoint. The map displayed could be from on-board memory or sent by other **third parties** by way of communication links to the PCD. When map data files are encoded with...

...communication systems. Closed-loop or proprietary GPS receivers can send/receive data to/from other **third parties** (Brand X, Brand Y) via their own proprietary format using an application system as a...area of the PCD memory. The user can load a map into the location or **third party** pages by pressing the corresponding number key on alphanumeric key pad 26 (shown in FIG...PCD memory for a map for the entered location. Maps from an external source are **downloaded** via any of the communication links such as the FAX, BEEPER, PHONE or RADIO touchpoints ...

...FIG. 11 illustrates the **Third Party** page accessed from the GPS menu page. The **Third Party** page provides an interface to communications with a **third party** through touch points in the sub-menu display 151. In the display shown, a user can receive a **third party**'s data and GPS encoded map for viewing on the device or save it for future usage. The user can also dynamically track the **third party** by periodically having the **third party** send updates via normal communication links. The **third party** location can be displayed on ...maps already on-board (furnished at some earlier date), or on maps sent by the **third party**. The PCD plots and interpolates the GPS data sent by the **third party** and places an icon 951 (GPS latitude and longitude coordinate pair) on the displayed map using spatial query analysis techniques performed by an application module. The information received from the **third party** may be other than maps or GPS encoded information, but may be information of any type. The data is received from the **third party** using phone 400 and radio communication links 500. A PREFERENCES touch point 274 enables entry...

...on a map on the left side of display 272 and, after contact with a

Search Report from Ginger R. DeMille

**third party** via a communication link, the **third party**'s map and location on the right side of display 273. If the **third party**'s location is sufficiently close to the user's location, or if the user's displayed map covers a sufficiently large area, both the user's and **third party**'s location can be shown on the same map without resort to a split screen...Phone page is also accessed by pressing the PHONE touchpoint on the Get Map and **Third Party** pages. As with the other pages, the limited GPS data is continuously displayed showing PCD... Connect page provides a means to specify the type and amount of data to be **downloaded** from a specified data provider. The Data Provider Connect page has numerous data fields which...GPS-encoded voice mail or digital files (containing information to various sites) provided by private **third - party** sources. The phone system queue contains previous calls with digital messages linked to web pages...restaurant listing of restaurants in a requested area. This list may have been furnished by **third parties** or a data provider. The PCD has stored this information in digital format and is...

- ...GIFF map or any other map the PCD stored in memory or receives from a **third party** or data provider. The information can be arranged by the PCD using criteria enabling the...the request. The provider or supplier can access further data through data links to other **third party** sources and continue to provide all data required by the requester. This system is consistent...
- ...selecting the icon will enable a menu for the requester to specify a data request. **Download** will be in the form of a ...the predefined telephone number is the universal telephone number of the user the PCD additionally **transmits** a **password** corresponding to security level. The password and security level are selected by the user, and...computer system provides a repository for such material. Data providers and information suppliers, instead of **downloading** data directly to a PCD in response to a request for information by a PCD...
- ...embodiment, requests from a PCD for data include an indication of allowable memory space for **downloaded** data. The allowable memory space may be automatically determined by the PCD based on the...
- ...additional data of 8 megabytes or less, the request for information would indicate a maximum **download** data size of 8 megabytes. Alternatively, the allowable memory space may be set by the...

1/3,K/29 (Item 26 from file: 654)

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2003 The Dialog Corp. All rts. reserv.

4814434 \*\*IMAGE Available

Derwent Accession: 2000-679124

**Utility**

**CERTIFICATE OF CORRECTION**

E/ **Security services and policy enforcement for electronic data**

Inventor: Danieli, Damon V., Bellevue, WA

Assignee: Microsoft Corporation (02), Redmond, WA

Microsoft Corp (Code: 32791)

Examiner: Darrow, Justin T. (Art Unit: 212)

Law Firm: Lee & Hayes, PLLC

Publication Number	Kind	Date	Application Number	Filing Date
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3731-Oct-0309:23 AM

Search Report from Ginger R. DeMille

security level are selected by the user, and...computer system provides a repository for such material. Data providers and information suppliers, instead of **downloading** data directly to a PCD in response to ... embodiment, requests from a PCD for data include an indication of allowable memory space for **downloaded** data. The allowable memory space may be automatically determined by the PCD based on the...

...additional data of 8 megabytes or less, the request for information would indicate a maximum **download** data size of 8 megabytes. Alternatively, the allowable memory space may be set by the...

**1/3,K/47 (Item 44 from file: 654)**

DIALOG(R)File 654:US Pat.Full.

(c) Format only 2003 The Dialog Corp. All rts. reserv.

4319167 \*\*IMAGE Available

Derwent Accession: 2000-421400

**Utility**

E/ **Network computer system with remote user data encipher methodology**

Inventor: Bodnar, Eric O., Capitola, CA

Assignee: Starfish Software, Inc. (02), Scotts Valley, CA  
Starfish Software Inc

Examiner: Laufer, Pinchus M. (Art Unit: 276)

Combined Principal Attorneys: Smart, John A.

	Publication Number	Kind	Date	Application Number	Filing Date
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Main Patent	US 6061790	A	20000509	US 97805990	19970224
Provisional				US 60-31327	19961120

Fulltext Word Count: 8536

**Description of the Invention:**

...connection by both the server and the client and is thus instantly demoted to a **third party** observer at best. Further increasing difficulty, the public key components which are used to build...A particular advantage of the methodology of the present invention is that the user's **password** is never **transmitted** or stored. The user's password, which is the key to all armored user data...

**1/3,K/48 (Item 45 from file: 654)**

DIALOG(R)File 654:US Pat.Full.

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4319037 \*\*IMAGE Available

Derwent Accession: 1999-312686

**Utility**

E/ **System and method for incentive programs and award fulfillment**

Inventor: Eggleston, York, Baltimore, MD

Ukhov, Andrey, Washington, DC

Assignee: York Eggleston (02), Baltimore, MD  
Eggleston York

Examiner: Poinvil, Frantzy (Art Unit: 271)

Law Firm: Foley, Hoag & Eliot LLP

Publication	Application	Filing
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# Search Report from Ginger R. DeMille

	Number	Kind	Date	Number	Date
Main Patent	US 6061660	A	20000509	US 9840490	19980318
Provisional				US 60-63180	19971020
				US 60-67776	19971210

Fulltext Word Count: 29109

## Description of the Invention:

...certain aspects of the invention may be completed through stand-alone software, which may be **downloaded** by the user to a disk... information necessary for registration. In the case of the software version of registration, the consumer **downloads** the software to a disk and can send it to the host system by electronic...

...incentive programs may be incentive programs provided by the operator of the host system, or **third party** incentive programs that have been identified by the host for listing on a directory...information regarding incentive program activities using the host system. Among other things, the consumer may **download** rules and directions for participation in the incentive programs that have been registered by the...Once the consumer registers, the registration may be transmitted to any **third party** provider of electronic cards. The electronic card provider then may issue a card to the...retailers, and merchandise can be awarded by the sponsor offering the incentive program or by **third party** retailers. Further, incentive programs can include additional benefits to the retailer, such as including advertising...scratch-and-win games, treasure hunts, sweepstakes games, or the like. The host may include **third party** incentive programs, such as computer games, for purchase by sponsors. The sponsor can view samples...packaged incentive program or chooses to build an incentive program, the completed incentive program is **downloaded** to the sponsor for installation on a web site of the sponsor. The sponsor database...pages within the consumer site 192, as well as links to incentive programs offered by **third parties**. Further, the consumer home page 193 offers various options to the consumer. ...the sponsor by electronic mail or other file transfer protocol, so that the sponsor can **download** the incentive program on the sponsor's own server. Alternatively, the code could be mailed on a disk with instructions for **downloading** into the sponsor's own site. The sponsor can be sent instructions on creating an...sub-segment of the award database 204 to a card processor, who may be a **third party**, which permits the prize to be cleared via a card network, such as a credit...host system, the consumer's name, address, password, and PIN may be sent to a **third party** provider of electronic payment cards. The electronic payment card provider may then issue the card...program games. Sites include sites of sponsor members of the host system, as well as **third party** sites. The directory may be an HTML page, with the links listed as unordered list...to enter the sponsor's password at the step 337. Upon entry of the correct **password**, the user is **transmitted** to the step 339 at which the sponsor may view a directory of options in...program supplied on a disk or on-line, in which case the information may be **downloaded** to a disk and sent ...a file containing the incentive program by electronic mail to the sponsor, who can then **download** the incentive program at the sponsor's site. The application program may also be used...company, which permits an advertising function directly within the incentive program. The logo may be **downloaded** by the sponsor to a disk and sent to the host computer 18 by electronic...

...to include JPEG or GIF images or logos to replace parts of the graphics of **third party** computer games for inclusion in incentive programs.

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Images may also be rotated periodically via an...

...graphical portions from time to time. Incentive programs may also be computer games licensed from **third party** game providers. The incentive programs are preferably designed to obtain and hold close attention of...code for the incentive program is transmitted, in the step 388, to the sponsor for **downloading** on the sponsor's site, whether by electronic mail, an HTTP link, or similar conventional...builds code based on the predetermined parameters of the incentive program. Code could then be **downloaded** into files containing complete incentive programs for installation on a user's site, or stored...can be of any type, including objects coded by the host, or objects obtained from **third parties**, such as proprietary computer games. Thus, the user may select a proprietary game, such as...to enter the retailer's password at the step 460. Upon entry of the correct **password**, the user is **transmitted** to the step 464 at which the retailer may view a directory of options in ...application program supplied on a disk or on-line, in which case the information is **downloaded** to a disk and sent by electronic mail to the host computer 18 for manual...central server based on open systems technology. The server would perform gateway switching to outside **third parties** (such as credit card issuers or fulfillment card issuers, check verification services, EDI services, and...

...as newer consumer purchasing pattern databases. The central server could perform gateway switching to outside **third parties** including credit card or check authorization as well as electronic fulfillment companies ...stored in the award database may include the method of fulfillment (i.e. by a **third party**, by a sponsor or by a retailer), identification numbers of the item, which may be...file of the information obtained in the query for a retailer, a sponsor, or a **third party**. If the fulfillment is to be by a **third party**, the information is mailed at a step 676 to the **third party** for fulfillment. If the sponsoring firm is to fulfill the prize, the file is mailed...

1/3,K/49 (Item 46 from file: 654)

DIALOG(R)File 654:US Pat.Full.

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4040745 \*\*IMAGE Available

Derwent Accession: 1998-262086

**Utility**

E/ **System and method for triggering actions at a host computer by telephone**

Inventor: Carmello, Salvatore, Streetsboro, OH

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Assignee: Softell (02)

Softell

Examiner: Chan, Wing F. (Art Unit: 273)

Law Firm: Jones, Day, Reavis & Pogue

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 5809118	A	19980915	US 96663462	19960530

Fulltext Word Count: 9212

Description of the Invention:

5531-Oct-0309:23 AM

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- ...the remote user; is either permanently stored in the EPROM of the microcontroller, or is **downloaded** from the host system 10. In the later case, the EPROM only contains a small software kernel which, on power up, instructs the microcontroller 100 to **download** the software to control the advanced operations discussed above from the host system 10, via... word and transmitted to the microcontroller 100 over databus 96. The microcontroller 100 then preferably **transmits** the login/ **password** sequence to the control monitor program via the serial communication port 38-36 for authorization...
- ...advanced mode provides for security and user authentication through the verification of the user login/ **password** validation signals optionally **transmitted** by the remote user...user triggers the host system to connect to the Internet by first connecting to a **third party** intermediary server. According to this method, if the remote user cannot directly make a connection...
- ...system is not presently connected to the Internet, the remote user can connect to a **third party** server 162, which could be, for example, a Web-server...
- ...The **third party** server is configured to present the remote user with a list of host computer systems...
- ...may be remotely triggered to connect to the Internet. The remote user connects to the **third party** server ...and selects the system he desires to communicate with at step 164. Stored at the **third party** server are the corresponding phone numbers and network addresses of the host systems that can...
- ...After the remote user selects a host system 164, the **third party** server executes a "ping" command to determine whether the selected host system is presently connected to the network. If the system is connected, the **third party** system immediately reports to the remote user at step 170 that the selected system is...
- ...selected host system is not presently connected to the Internet, then at step 168 the **third party** server then calls the phone number associated with the selected host system. Assuming that the...
- ...system is using the advanced ring detection circuit of the present invention (FIG. 3A), the **third party** system could also be supplied with the user validation signals and the trigger identification value...
- ...After the **third party** server dials the phone number of the selected host system it loops back to step...
- ...maximum number of redials is exceeded. After the "ping" command yields a positive result, the **third party** system reports to the remote user at step 170 that the selected host system is...

1/3,K/50 (Item 47 from file: 654)  
DIALOG(R)File 654:US Pat.Full.  
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4020951 \*\*IMAGE Available  
Derwent Accession: 1998-446653  
**Utility**  
E/ **World Wide Web registration information processing system**  
Inventor: Klug, John R., Evergreen, CO  
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Search Report from Ginger R. DeMille

Assignee: Customer Communications Group, Inc. (02), Denver, CO  
Customer Communications Group Inc  
Examiner: Beausoliel, Jr., Robert W. (Art Unit: 275)  
Assistant Examiner: Wright, Norman M.  
Law Firm: Holme Roberts & Owen LLP

	Publication Number	Kind	Date	Application Number	Filing Date
	-----	--	-----	-----	-----
Main Patent	US 5790785	A	19980804	US 96595837	19960202

Fulltext Word Count: 12077

Description of the Invention:

...client nodes such as WWW client node 108, and with other web sites such as **third party** web site 116, wherein the registrar web site 100 facilitates the registration of a user at a WWW client node 108 when this user desires to register at the **third party** web site 116. In this first embodiment, the user accesses the World Wide Web 104...

...of the registrar web site 100 for registering the user at a one or more **third party** web sites 116, the user must in some manner request explicit access to the registrar...

...be described as follows. In order for a user to register at one or more **third party** web sites 116, the user at a WWW client node 108 accesses the World Wide...

...to capabilities of the registrar web site 100 in assisting the user in registering at **third party** web sites 116. Such outputs from registrar applications 128, are subsequently transmitted, via the network...

...she can have this information at the registrar web site 100 automatically transferred to a **third party** web site 116 when the user is requested to register at such a **third party** web site. Subsequently, after the user's request to supply registration information is transmitted to...

...at the registrar web site 100, the user may then substantially automatically register at various **third party** web sites 116 that are affiliated with the registrar web site 100 in that an agreement has been reached between each such **third party** web site 116 and the registrar web site 120 for transmitting a user's registration information to the **third party** web site 116 when, for example, the user requests such transmittal. Thus, assuming the user accesses the **third party** web site 116 and, for example, the home page for the **third party** web site 116 includes a form field allowing the user to specify that the user...

...then the user can submit a response, via the World Wide Web 104, to the **third party** web site 116 indicating that the user's registration information should be obtained from the registrar web site 100. Thus, the **third party** web site 116 requests and receives the user's registration information from the registrar web...

...stores the user's registration information in registration information database 148 directly accessible by the **third party** web site 116. Additionally note that when the registrar web site 100 receives a request from the **third party** web site 116 for user registration information, a registrar application 128 records the request forThus, the registrar



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- web site 100 maintains a log of the **third party** web sites requesting registration information. Further, such **third party** web sites 116 may periodically provide the registrar web site 100 with information related to the frequency that users registered at the registrar web site 100 have accessed the **third party** web sites 116. Therefore, by also storing this information, for example, in the registrar access...
- ...registrar web site 100 is able to determine the frequency and type of access of **third party** web sites 116 by users...
  - ...the registrar web site 100 for providing registration information, the user may instead access a **third party** web site 116 wherein the home page or registration page for the **third party** web site includes input fields allowing the user to request that the registrar web site...
  - ...the registration information provided to the registrar web site 100 for automatically registering at the **third party** web site 116 (as well as other **third party** web sites that may be subsequently requested). That is, the newly entered registration information is transferred to the **third party** web site 116 by entering into a registrar specific portion of the registration form for the **third party** web site 116 a registrar user identification and optionally a password for requesting that the **third party** web site access the registrar web site 100 to obtain the user's registration information. Thus, the user's registration information automatically is communicated to the **third party** web site 116 without the user explicitly having to navigate the World Wide Web 104 ...
  - ...client node 108 for communication with the registrar web site 100 as well as with **third party** web sites 116 that accept registration information from the present invention. In one embodiment of...
  - ...site registration information and communicating with the registrar web site 100 as well as cooperating **third party** web sites 116 at which the user desires to register. Such a registration module 156...
  - ...120, the user is presented with an integrated set of functions for registering and accessing **third party** web sites 116...
  - ...there are failures at the user's WWW client node 108. Thus, to access a **third party** web site 116 that cooperates with the registrar for registering the user, once the user has made contact through the World Wide Web 104 with such a **third party** web site 116, the user transfers his/her registration information from the registration module 156 to the **third party** web site. Further note that in the registration process of the present embodiment, whenever the user registers at a **third party** web site 116, the registrar web site 100 is provided, by (for example) the module...
  - ...so that the user also has a off-site backup copy of all registrations at **third party** web sites residing at the registrar web site 100...with a home page describing the registrar services, a selection or browsing capability for reviewing **third party** web sites 116 accepting registrar registrations, and a fill-out form so that the user...
  - ...supplied insufficient information for the registrar web site 100 to supply adequate information to most **third party** web sites 116 that utilize registrar registration capabilities. Thus, a similar feedback loop to loop...

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- ...provided for requesting that the user supply additional information so that a substantial number of **third party** web sites 116 cooperative with registrar will allow the user to register at them using...user determines whether to supply basic information (i.e., requested by a substantial number of **third party** web sites 116) as described in step 308 or to supply expanded information (i.e...
- ...for example, registrar has sufficient user information to register the user at substantially all cooperating **third party** web sites 116). Note that at least in one embodiment, the basic information supplied in ...
- ...and 4B present a flowchart for the steps performed when the user accesses a present **third party** web site 116 cooperating with registrar, and in the process of registering at the **third party** web site the user is automatically put in contact with the registrar web site 100...
- ...that registration information may be provided to registrar for registering the user at the present **third party** web site as well as other **third party** web sites that the user may request. Accordingly, assuming the user uses a WWW browser 120 to access a **third party** web site 116 as in step 404, the **third party** web site responds with a web site home page (step 408) typically having a registration...
- ...enter registration information. Note that the user may or may not be registered at this **third party** web site. Thus, if the user is registered, then he/she may only need to...
- ...and optionally a password in order to gain access to a desired application at the **third party** web site. Further note that for different **third party** web sites 116, the user's identification (and optionally a password) may be different due to constraints on user ID (and password) syntax being different at different **third party** web sites. Further, such user IDs at different web sites may be different because a...
- ...Subsequently, once the **third party** web site 116 has received a response from the user, a determination is made as...
- ...to the present invention is required. Alternatively, if the user is not registered at the **third party** web site, then a response is transferred from the **third party** web site 116 through the World Wide Web 104 to the user's WWW browser...
- ...out forms in which the user is requested to enter information for registering at the **third party** web site. Note that if the **third party** web site 116 is configured to accept user registration information from the present invention, then at least one fill-out form related to registering at the **third party** web site 116 will request information related to registering the user by using the present invention. In particular, the **third party** web site 116 may present the user with a fill-out form requesting the user...
- ...forms may request the user to indicate whether he/she prefers to register at the **third party** web site 116 by using registrar. Thus, assuming the user desires to register at the **third party** web site 116, a determination is made as to whether the user wishes to register using the present invention or register at the **third party** web site without using the present invention (step 416). If the user chooses to

not use the present invention for registering at the **third party** web site 116, then the user explicitly supplies registration information for the present **third party** web site (step 420). Alternatively, if the user chooses to use registrar to register, then once the present **third party** web site 116 ...the user indicating the choice to use registrar to register, in step 424, the present **third party** web site sends a request to the registrar web site 100 for registering the user...

...site 100, in step 432, the user is automatically placed in contact with the present **third party** web site so that he/she submits a registration fill-out form to this **third party** web site 116: (a) indicating that the user's registration information may be obtained from ...

...password) for the registrar web site 100 to be used as identification at the present **third party** web site. Following this, in step 436 the **third party** web site 116 invokes the program corresponding to FIG. 5 to obtain the user's registration data from the registrar web site 100. Lastly, upon verification by the **third party** web site 116 of the user's registration data, the user is granted access to the desired **third party** web site and/or application (step 440...

...presented of the registration data transmission process from the registrar web site 100 to a **third party** web site 116. Accordingly, in step 504 the **third party** web site 116 provides the registrar web site 100 with identification of the **third party** web site, the user's registrar user ID and (any) registrar password. Further, in some instances, as will be described below, the **third party** web site 116 also supplies the registrar web site 100 with a return path to...

...508, a determination is made by the registrar web site 100 as to whether the **third party** web site supplied information can be authenticated. If not all **third party** web site information is authenticated, then step 512 is encountered wherein a determination is made as to whether to request that the **third party** web site to resend the information of step 504. Note that such a determination may be made in one embodiment depending upon whether the **third party** web site identification is authenticated. That is, if the **third party** web site identification is authenticated, then a retry may be allowed. Otherwise, no retry may be allowed. Alternatively, referring again to step 508, if all information transmitted from the **third party** web site 116 is authenticated at the registrar web site 100, then step 516 is encountered. In this step, the program represented by FIGS. 6 is performed for supplying the **third party** web site 116 with registration information related to the user from the user registration information...

...FIGS. 6A and 6B, the flowchart presented here provides the steps for supplying a present **third party** web site 116 with registration information from the registrar web site 100, assuming that the present **third party** web site 116 has requested such information and that the request has been authenticated at...

...the steps of FIG. 7 for retrieving the user registration information requested by the present **third party** web site 116 from the user registration information database 144. Note that a **third party** web site 116 may request various categories of information from the registrar web site 100 related to the user. In particular, a **third party** web site may request: (a) basic information as discussed in step 308 of FIG. 3...

...step 604, step 608 is encountered wherein a registration application 128 determines whether the present **third party** web site 116 requesting user information (for a user attempting to register at this **third party** web site) requires that a user ID (and optionally password) be generated specifically for this **third party** web site. That is, the **third party** web site 116 may require a user ID and/or password that conforms with a format peculiar to the **third party** web site 116. Note that to perform the step 608, in at least one embodiment of the present invention, information related to the requirements of the present **third party** web site 116 are stored at the registrar web site 100. In particular, the registrar...the registrar web site 100 such that a registrar application 128 (upon identifying a particular **third party** web site 116) may access a related user information request template for determining what information may be required by this **third party** web site...

...If a user ID and optionally password need not be generated specifically for the requesting **third party** web site 116, then in step 612 the user information requested by the **third party** web site 116 is encrypted and in step 616 the encrypted information is sent to the **third party** web site. Following this, in step 620 a registrar application 128 logs an entry or...

...database 152 indicating that registration information for the user has been transmitted to the present **third party** web site 116. Subsequently, in step 624 a registrar application 128 (or, more precisely, an instantiation thereof) waits for an acceptance response from the present **third party** web site 116 to which the encrypted user information was sent. Note that the response from the present **third party** web site may include a **third party** web site specific user ID (and optionally password) if the user was not previously registered at this **third party** web site. That is, the **third party** web site may automatically generate at least a user ID if the user was not previously registered at the web site. Alternatively, it may be the case that the present **third party** web site uses the user's registrar registration user ID and password for registering the user at the **third party** web site 116. Note that in at least one embodiment for registration processing at a **third party** web site 116, the use of the registrar user ID does not create ambiguity in the identity of users registering at the **third party** web site. For example, a user seeking access to a cooperating **third party** web site may be required to indicate that his/her user ID and/or password is a registrar generated user ID (and/or password) so that the **third party** web site can process the entered user identification differently from that of users who have registered without using the present invention. Subsequently, when an acceptance response from the requesting **third party** web site 116 is provided to the registrar web site 100 (or, more precisely, a...

...in step 632, a determination is made as to whether the response from the present **third party** web site 116 indicates that the user is now registered at this **third party** web site. If no such indication is provided, then in step 636 a message is...

...user's WWW client node 108 that registrar cannot register the user at the present **third party** web site to which the user has requested registration and access. Further, the registrar application...

...registrar at the present party web site if such a reason was indicated by this **third party** web site when the response of step 624 was received...

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- ...if in step 632 it is determined that the user is registered at the present **third party** web site, then in step 640 the program corresponding to the flowchart of FIG. 8...
- ...performed for storing at least the user's ID (and optionally password) for the present **third party** web site at the registrar web site 100 (more precisely, in the user registration information...
- ...registrar application 128 is required to generate a user ID (and optionally password) for the **third party** web site 116, then step 644 is next performed wherein a registrar application 128 generates a user ID (and optionally **password**) to be **transmitted** to the **third party** web site 116. Subsequently, the sequence of steps 648 through 668 are performed. Note that...
- ...same sequence of steps as steps 612 through 632. However, the response from the present **third party** web site logged in step 664 may include an indication as to whether the user generated by the registrar application 128 is acceptable to the present **third party** web site 116  
...
- ...discussion of FIGS. 6A and 6B from step 668, if the response from the present **third party** web site 116 indicates that the user is registered at the desired **third party** web site, then step 672 is performed wherein the program corresponding to the flowchart of user's ID (and optionally password) for the present **third party** web site in the user registration information database 144 (as in step 640). Alternatively, if in step 668 it is determined that the user is not registered at the present **third party** web site 116, then in step 676 a determination is made as to whether the...
- ...i.e., user ID and optionally password) step 644 has been rejected by the present **third party** web site. If so, then in step 680 a determination is made as to whether...
- ...than a predetermined number of times in attempting to register the user at the present **third party** web site). If the results of the test in step 680 is affirmative, then step 644 is again encountered for generating alternative user registration information for the present **third party** web site. Note that it is an aspect of the present invention that, at least...
- ...ID as a "seed" from which to generate a user ID acceptable to the present **third party** web site 116. Moreover, note that the generation process of step 644 may use various heuristics and **third party** web site constraints to generate acceptable user IDs...
- ...Alternately, if the negative branch from step 676 is followed, then the **third party** web site 116 may have rejected registering the user for any of a number of...
- ...be alleviated in a timely fashion so that the user can be registered at this **third party** web site in a short amount of time. Accordingly, step 684 is encountered wherein a...
- ...WWW client node 108 indicating that registrar cannot currently register the user at the requested **third party** web site 116. Further, note that if in step 680 it is determined that too many attempts have been made to generate acceptable registration information for the **third party** web site, then step 684 is also encountered...

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- ...representative of the processing variations within the scope of the present invention for supplying a **third party** web site with registration information. For instance, those skilled in the art will appreciate that...
- ...may have a timer associated with them whereby if there is no response from the **third party** web site within a predetermined time period, then a default response is provided by a...
- ...other anomalies indicated in the acceptance response received in step 660. For example, if the **third party** web site 116 requests additional user information than what was provided in step 648, then...
- ...permissible to disseminate this information, then the additional information may be transmitted to the present **third party** web site 116. Also, in such a case, the transmittal of this additional information is...
- ...a program is provided for supplying, from the user registration information database 144, a requesting **third party** web site 116 with registration information related to a particular user. Accordingly, in step 704...
- ...supplied with an indication as to what type of information is required by the requesting **third party** web site, then a registrar application 128 constructs such a request to be transmitted to the requesting **third party** web site and subsequently the application may wait for a response from this **third party** web site. Following step 704, in step 708 it is assumed that the registrar web...
- ...100 has been provided with an indication or specification as to what information the requesting **third party** web site desires. Thus, the registrar application 128 performing step 704 may now determine what registration information is to be transmitted to this **third party** web site. Note that at least in one embodiment of step 708, the user registration...a user that the user has indicated is available to be transmitted to a requesting **third party** web site...
- ...1.2) The type and amount of information the requesting **third party** web site 116 has contracted with the registrar web site 100 for transmitting regarding a...
- ...expanded, custom or proprietary registration information related to a user is transmitted to the requesting **third party** web site in step 736...
- ...the user registration information database 144, a user's ID and/or password for a **third party** web site 116 to which the user is registered using registrar. More precisely, the user ID and/or password for such a **third party** web site is stored via the steps of FIG. 8 if this information is different...
- ...s registrar user ID and/or password. That is, it is believed that for many **third party** web sites 116, the registrar user ID and password for users registered at the registrar web site 100 will be identical to the user's user ID and password at **third party** web sites. Note that there are significant advantages to **third party** web sites 116 using, for each registered user, the user's registrar user ID and password (or, some other user ID and password in common with other **third party** web sites to which the user is registered). For instance, a user is required

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to...

...to whether the user has been provided with a user ID (optionally password) for the **third party** web site 116 (to which the user is attempting to register) that is different from...

...804 is performed wherein the user's specific user ID and optionally password for this **third party** web site is stored with other user registration information in the user registration information database...

...site: (a) each user has the convenience of off-site storage backup for each such **third party** web site to which the user is registered and (b) depending on the registration process at the **third party** web site, it may be expedient for such a web site (at least temporarily) to automatically contact the registrar web site 100 for retrieving, for example, the user's **third party** web site specific user ID upon subsequent user accesses to the **third party** web site...

...Following step 804, in step 808 a determination is made as to whether the **third party** web site has indicated that it will initiate requests as in (b) immediately above. If...

...his/her user registrar web site 100 user ID (and optionally password) when accessing the **third party** web site. Alternatively, if step 808 yields a negative answer then step 812 is performed...

...WWW client node 108 providing the user with the ID (and optionally password) for the **third party** web site...browser 120 port) may store locally at the client node 108 registration information for accessing **third party** web sites 116 to which the user has registered using the present invention. In FIGS...

...In FIG. 9, a flowchart is presented of the program for registering at a **third party** web site 116 when the module 156 is installed on the user's client node...

...steps of FIG. 9, in step 904 the user sends a request to access a **third party** web site 116 via the user's WWW browser 120. Subsequently, upon receiving the request, the accessed **third party** web site 116 responds with a home page having a registration fill-out form (step...

...user indicates on the fill-out form that he/she desires to register at the **third party** web site and that his/her registration information can be retrieved using the registrar registration...

...that this module can supply the appropriate user registration information to be communicated to the **third party** web site 116. Also note that the home page from the **third party** web site 116 may indicate the type of information required to register the user and...

...information stored on the user's client node 108 that will be transmitted to the **third party** web site. Subsequently, in step 916 the user specifies that the registration fill-out form is to be submitted to the **third party** web site. Accordingly, the WWW browser 120 communicates with the registrar registration module 156 to supply the registration information to the **third party** web site. That is, the processing performed here includes the steps of FIG. 10 which...

...156 to the registrar web site 100 indicating that the user has registered at the **third party** web site and additionally supplying the

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registrar web site 100 with any user ID and password specific to the **third party** web site. Note that by sending this information as well as, for example, a copy...

...to the flowchart of FIG. 10, this flowchart describes the steps performed when supplying a **third party** web site 116 with registration information retained by the registrar registration module 156 on the...

...the flowchart of FIG. 7 are performed for retrieving the registration information requested by the **third party** web site. Subsequently, in step 1008 the registrar registration module 156 packages the accessed registration information for the **third party** web site together with the user's registrar ID (and optionally **password**) for **transmittal** to the **third party** web site. Subsequently, in step 1016 the registration information packaged together in step 1008 is encrypted so that in step 1020 this encrypted information may be sent securely to the **third party** web site via the World Wide Web 104. Following this, in step 1024 the module...

...local log on the client node 108 indicating what registration information was sent to the **third party** web site. Subsequently, in step 1028 a process may be instantiated to wait for an acceptance response from the **third party** web site so that when such a response is obtained it may be logged locally registrar registration module 156 to log all activities with **third party** web sites 116 and provide the records of this log to the registrar web site...

...the World Wide Web 104. Such analysis may be useful to both registrar users and **third party** web site personnel in that, given a user's World Wide Web 104 activity, the registrar web site 100 may suggest additional **third party** web sites 116 of which the user may not be aware. Further, by analyzing the...

...access logs of registrar users, the registrar web site 100 may provide statistics to the **third party** web sites 116 as to the number and types of users accessing their respective web...

...to contact publicly available databases that registrar has accessed obtaining incorrect user information; and (d) **third party** web sites 116 that are providing information for a limited period of time and for ...the subsequent steps of FIG. 11B are encountered wherein the present invention updates or alerts **third party** web sites having previously received user registration information that this information may be outdated. Thus, the steps 1132-1140 are performed so that the registration information provided to such **third party** web sites via the present invention is consistent with the newly supplied user registration information...

...of the present invention, prior to providing any newly entered user registration information to the **third party** web sites, such information may be compared or correlated with publicly available information regarding the user that is, for example, accessible via certain **third party** web sites 116. Further, the user may request his/her newly entered registration information by...

...108 for entering information that will subsequently be used for registering substantially automatically cooperating at **third party** web sites 116 requested by the user. Subsequently, in step 1208 the registrar registration module...



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...ID is stored on the user's node 108 for a subsequent transmittal to a **third party** web site during a registration process at a **third party** web site that accepts the registrar user ID as the web site's ID. Subsequently for the registrar user ID and password and, if found, **download** the user's registration information to the user's client node 108. If no valid...

...156 retains the user's registrar user ID (and optionally password) for automatically providing to **third party** web sites at which the user requests registration using the present invention. Accordingly, in step ...

...supplied information as the basis or "seed" for generating an acceptable user ID (and optionally **password**) to be **transmitted** back to the user. Accordingly, in step 1340, once the user is presented with the...

1/3,K/51 (Item 48 from file: 654)

DIALOG(R)File 654:US Pat.Full.

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3983581 \*\*IMAGE Available

Derwent Accession: 1995-226830

**Utility**

**E/ Multimedia system**

Inventor: Garland, J. David, Berkeley Heights, NJ

McGee, Andrew R., South Plainfield, NJ

Assignee: AT&T Corp (02), Middletown, NJ

AT&T Corp (Code: 16046)

Examiner: Rinehart, Mark H. (Art Unit: 232)

Combined Principal Attorneys: Restaino, Thomas A.; Conover, Michele L.

	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5754784	A	19980519	US 96698300	19960815
Continuation	Abandoned			US 93171311	19931221

Fulltext Word Count: 14143

Description of the Invention:

...and (d) unbridge call. The data access functions includes a set of messages comprising (a) **download** data file, (b) upload data file, (c) stop data **download**, (d) stop data upload, (e) resume data **download** and (f) resume data upload. The audio functions include (a) play audio file, (b) pause...

...Advantageously, then, only those blocks of the multimedia application called for by the user are **downloaded** to the user's terminal, thereby making efficient use of the telecommunications network bandwidth. Advantageously...

...in an efficient and rapid manner. For example, particular blocks of an application may be **downloaded** to terminal T1 in a background mode and stored therein such that the blocks may...

...program supporting a displayed menu item having the highest probability of user selection may be **downloaded** in the background first, the block supporting the menu item having the next highest probability of user

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- selection may be **downloaded** next, and so on. Accordingly, it is likely that when the user selects a displayed...
- ...selection will be resident (stored) in the user's terminal.  
(Alternatively, the blocks may be **downloaded** sequentially based on their respective sizes, rather than their selection probability. Still, the application blocks supporting displayed menu items may be **downloaded** in parallel and in the background mode (i.e., preloading), in which the network bandwidth...
- ...based on the size of a data block. The order in which such blocks are **downloaded** sequentially or in parallel in the background may also be specified explicitly by the application...B channel of path 11-1. Once the ISDN connection is established, then terminal T1 **transmits** the login and **password** that the user entered. Upon receipt thereof, data server 10 returns an acknowledgement to terminal...
- ...story book function to be displayed. As an aspect of the invention, system 100 may **download** parts of the applications under consideration, while the user is deciding which menu item to...
- ...mentioned above. For example, the ball and train are animation-type applications that may be **downloaded** prior to the user selecting a menu item have been already stored in terminal T1 as a result of the pre-**downloading** feature. The latter menu, when displayed on display 12, shows images depicting the covers of...
- ...tells" a story. While the user is deciding which menu item to select, system 100 **downloads**, as discussed above, the first page of each such book to terminal T1. When the...
- ...Similarly, while the user is listening to the audio and viewing the page, system 100 **downloads** the next page of the selected book to terminal T1. Terminal T1 and system 100...entered logon is valid, then it notifies the program of that fact (block 304) and **downloads** a menu of multimedia services that the user may access. Upon receipt thereof, the program...
- ...the storage of data files relating to the selected application. Such data files include the **downloading** of files from the platform to the user's terminal and vice-versa. The initialization...selected application. If the data request is found to be a so-called request to **download** data from the platform to the user's terminal (block 601), then the program adds the request (block 604) to a so-called **download** process queue and then returns to block 402 of FIG. 3. If, on the other ...
- ...to block 402. If the program finds that the request is something other than a **download** or upload request (block 603), i.e., cancel a particular request that has already been...
- ...the task, or program, which runs in the background mode to perform a data file **downloading** function. When invoked (block 700), the program (block 701) checks to see if it has received a request to **download** a file from the platform to the user's terminal. If that is the case... appreciated at this point, that once the I/F board establishes the connection to the **third party** (e.g., travel agent), then the user and **third party** may communicate with one another. When the conversation between the user and **third party** is completed, the user may then enter a request to terminate (unbridge) the **third party** connection. Such a request, as most of the requests entered by the user, is delivered

- ...
- ...identity of the ISDN B-channel that was used to establish a call to the **third party**. The program (block 1015-2) then sends a command to terminate that B-channel connection...
- ...the latter channel is idle and also updates the user information table, (b) that the **third party** connection has been disconnected and (c) that the B-channel assigned to the user is...If the message is a request from an application program to **download** a particular data file to the user's terminal, then the program proceeds to block 2504. At block 2504, the program determines if a "**download**" process is presently associated with the running of the application selected by the user. If so, then the program adds the request to the queue of that **download** process and then returns to block 2400. Otherwise, the program spawns a **download** process to **download** the data file identified in the received message. The program then stores the received message in the queue of the newly spawned **download** process and then returns to block 2400. A flow chart of the **download** process is shown in FIG. 27. In particular, when entered (block 2600) the program initializes...
- ...a list (INPROG[sub]-- LIST) of the names of the files that it will be **downloading** to the user's terminal. In doing so, the program considers the current configuration of...transmit buffer used for that channel. Also if a number of files are to be **downloaded**, then the bandwidth of the two channels, or one channel, is allocated to the **downloading** of those files. For example, if two files are to be **downloaded** and two B-channels are being used. Then the one file may be allocated to...
- ...program (FIG. 26) proceeds to block 2505, 2506 or 2507, then it respectively instructs the **download** process (FIG. 27) to cancel, pause or resume the **downloading** of a particular file. If the received message pertains to the uploading of a data...
- ...FIG. 29. It can be appreciated that the upload process is somewhat similar to the **download** process (FIG. 27). Therefore, FIG. 29 will be explained briefly. Similarly, when the program is...responsive to a request received from the application program, notifies the latter whenever a particular **download** or upload has been completed. Specifically, the program at block 2512, searches the request queues associated with the **download** and upload processes for the name of a file contained in the request received from...
- ...and channel allocation table to conform with the reconfiguration request. The program then notifies the **download** and upload processes that a channel reconfiguration has occurred and halts the running of the **download** and upload processes during such updating...

1/3,K/52 (Item 49 from file: 654)

DIALOG(R)File 654:US Pat.Full.

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3853873 \*\*IMAGE Available

Derwent Accession: 1997-319373

#### Utility

E/ Network with secure communications sessions

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	Publication Number	Kind	Date	Application Number	Filing Date
Main Patent	US 5638448	A	19970610	US 96583933	19960111
CIP	Pending			US 95547346	19951024

Fulltext Word Count: 11464

Description of the Invention:

...procedure prevents unauthorized penetration of the system security by detecting the replaying of packets by **third parties** .  
...mutual authentication technique requires the client machine to have a local CPU so that the **password** will not be **transmitted** over the network before being encrypted...When an application need to communication with the remote server, the request router 106 will **download** the Current Mounting Table 134 into the Local Mounting Table 104 in the application's process space by sending a **download** request to the Command Manager 140 of the Requester 110. The name of the remote...

1/3,K/53 (Item 1 from file: 759)  
DIALOG(R)File 759:Reuters Business Insight  
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00103354

**PKI EXAMINED: 4.0 PKI EXAMINED**

Main Title: Understanding eSecurity  
Pub. Date: January 03, 2001  
Source: DATAMONITOR  
Telephone: +44 20 7675 7000  
Word Count: 1129 (1 pp.)  
Language: English

Country: WORLD  
Industry: TELECOMMUNICATIONS

...yet with the confidence that the arrangement will be honored. Through using a network of **third - party** guarantors, it provides a system in which true authentication and verification is possible electronically. And ...

...a large number of passwords - very difficult;  
\* In a secure environment the user has to **transmit** the **password** to the system that he is trying to access, to enable it to check his password against its own list of passwords on occasions of future access. Because the **password** has to be **transmitted** through an insecure environment, it becomes vulnerable to interception. As electronic eavesdropping software, which intercepts...

...that automatically changes every 60 seconds. This code then needs to be typed in or **downloaded** from a smart card to provide the password.  
Single key based security  
In a single...

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